

# February 2023 - Volume 98 - Issue 2 : Academic Medicine

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## **[Virtual Communication Across Differences: Development of a Workshop on Managing Patient Bias](#)**

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### [Learning Together: Co-Learning Among Faculty and Trainees in the Clinical Workplace](#)

Haddock, Lindsey; Rivera, Josette; O'Brien, Bridget C.

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## **Can Rater Training Improve the Quality and Accuracy of Workplace-Based Assessment Narrative Comments and Entrustment Ratings? A Randomized Controlled Trial**

Kogan, Jennifer R.; Dine, C. Jessica; Conforti, Lisa N.; More

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## **Self-Assessment in Feedback Conversations: A Complicated Balance**

Robb, Katharine A.; Rosenbaum, Marcy E.; Peters, Lauren; More

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## **Bullying in Academic Medicine: Experiences of Women Physician Leaders**

Iyer, Maya S.; Way, David P.; MacDowell, Doug J.; More

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[\*\*The Association Between USMLE Step 2 Clinical Knowledge Scores and Residency Performance: A Systematic Review and Meta-Analysis\*\*](#)

Shirikhodaie, Camron; Avila, Santiago; Seidel, Henry; More

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[\*\*Culinary Medicine as Innovative Nutrition Education for Medical Students: A Scoping Review\*\*](#)

Newman, Courtney; Yan, Justin; Messiah, Sarah E.; More

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[\*\*Debunking the Learning-Styles Hypothesis in Medical Education\*\*](#)

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## Articles

### Fibromyalgia: Diagnosis and Management

Bradford T. Winslow, Carmen Vandal, Laurel Dang


Fibromyalgia is characterized by diffuse musculoskeletal pain, fatigue, poor sleep, and other somatic symptoms. It can occur in children and adults, and is found worldwide and across cultures. Changes in the diagnostic criteria over the past decade have resulted in more...

 Fibromyalgia

### Acute Otitis Externa: Rapid Evidence Review

Edward A. Jackson, Kamini Geer

Acute otitis externa is an inflammatory condition that affects the external ear canal. It is usually of rapid onset and is the result of a bacterial infection. It presents with pain, redness, and swelling of the canal and is more common in children and young adults.

 Otitis

### Common Skin Conditions During Pregnancy


Michael Erlandson, Maggie C. Wertz, Emily Rosenfeld

Benign hormone-related changes, preexisting skin conditions, and pregnancy-specific disorders can affect patients in varying ways during pregnancy. This article summarizes these conditions and safe treatment options.

 Prenatal Care | Skin Conditions



motion, and musculoskeletal disability. They are commonly seen in primary care. Massage, physical therapy, and osteopathic manual medicine are initial noninvasive treatment...

 Pain Management | Musculoskeletal Care

## Peptic Ulcer Disease and H. pylori Infection: Common Questions and Answers

John R. McConaghy, Amara Decker, Shalina Nair


Although dyspepsia often occurs without underlying pathology, it can indicate the presence of peptic ulcer disease. The combination of Helicobacter pylori infection and NSAID use increases the risk of ulcers. The H. pylori test-and-treat strategy is the mainstay of outpatient...

 Peptic Ulcer Disease | Dyspepsia

## Pharmacologic Treatment of Depression

Heather Kovich, William Kim, Anthony M. Quaste

Shared decision-making that considers treatment history, comorbidities, costs, and risk of adverse effects should be used when choosing an antidepressant. When discontinuing an antidepressant, gradually tapering the dosage while concurrently providing cognitive therapy can...

 Depression and Bipolar Disorder

## Editorials

### Comparing Clinical Guidelines for the Management of Major Depressive Disorder

Andrew Buelt, John R. McQuaid

This editorial highlights the similarities and differences in clinical practice guidelines that are most relevant to family physicians and other clinicians treating patients with major depressive disorder.





Salman Waqar, Nazim Ghouri, Rania Awaad

This editorial provides guidance on chronic disease management and explores specific ways physicians can support patients who observe Ramadan.

 Family Medicine

## AFP Clinical Answers

### **Constipation, Endometriosis, Spiritual Assessment, Medical Cannabis, Contraception, ITP**

Key clinical questions and their evidence-based answers directly from the journal's content, writer and for family physicians.

## Medicine by the Numbers

### **Mu-Opioid Antagonists for the Treatment of Opioid-Induced Bowel Dysfunction**

Brandon Brown, S. Tucker Price


The systematic review found that oral naldemedine improves opioid-induced bowel dysfunction over two weeks in patients with cancer, and subcutaneous methylnaltrexone improves opioid-induced bowel dysfunction over two weeks in patients receiving palliative care.

 Caregiver | Cancer Care | Cancer

## Cochrane for Clinicians




potency topical corticosteroids, but there is no difference in effectiveness between high- and medium-potency topical corticosteroids.

 Skin Conditions

## Guaiac-Based FOBTs vs. FITs for Colorectal Cancer Screening in Average-Risk Adults

Alan L. Williams, Sajeewane M. Seales

FITs are more likely than gFOBTs to detect colorectal cancer or advanced adenomas in individuals at average risk.

 Cancer Screening | Colorectal Cancer

## U.S. Preventive Services Task Force

### Statin Use for the Primary Prevention of Cardiovascular Disease in Adults: Clinical Summary of the USPSTF Recommendation

The USPSTF recommends that clinicians prescribe a statin for the primary prevention of CVD for adults aged 40 to 75 years who have one or more CVD risk factors and an estimated 10-year risk of a cardiovascular event of 10% or greater.

 Heart Disease

## Putting Prevention Into Practice

### Statin Use for the Primary Prevention of Cardiovascular Disease in Adults


Howard Tracer, Helen Barnhart



## Schedule of Visits and Televisits for Routine Antenatal Care

Tyler S. Rogers, Brendan Lushbough

What are the risks and benefits of less frequent antenatal in-person visits vs. traditional visit schedules and televisits replacing some in-person antenatal appointments?

 Prenatal Care

## Photo Quiz

## Violaceous Facial Nodules and Dermal Vascular Plaques on the Extremities

Matthew Helm, Shara Chopra

A patient presented with a five-month history of well-demarcated, violaceous nodules on her face.

 AIDS | Vascular Disorders

## Hypotension in an Adult With ST-Segment Depressions

Kartik R. Shah, Charles Thacker

A patient presented with headache, lightheadedness, loss of balance, and chest discomfort. Electrocardiography was performed.

 Myocardial Infarction

## FPIN's Clinical Inquiries

## Is Trazodone Effective and Safe for Treating Insomnia?



 Sleep Disorders

## Diary of a Family Physician

### Diary of a Family Physician

Megan Bradley, Dwight Humpherys

First-person accounts from the front lines of family medicine.

 family medicine

## POEMs


### Low FODMAP Diet Most Likely to Improve Symptoms in Patients With Irritable Bowel Syndrome

Mark H. Ebell

 Irritable Bowel Syndrome

### Likelihood of Long COVID Varies by Variant, Sex, and Vaccination Status

David C. Slawson

 COVID

### Ketorolac Plus Dexamethasone Is More Effective for Pain Relief Than Ketorolac Alone in Adults With Renal Colic

Henry C. Barry

 Kidney Disorders



INTRA-ARTICULAR KETOROLAC

► Pulmonary Embolism | Deep Venous Thrombosis

## Practice Guidelines

### Acute Diverticulitis: Diagnosis and Treatment Recommendations From the ACP

Sajeewane M. Seales, Andre L. Jones, Katharine L. Neff

The American College of Physicians (ACP) performed a systematic review to determine the most effective diagnosis and management options for acute left-sided colonic diverticulitis.

► Abdominal Pain

### Chest Pain Evaluation: Updated Guidelines From the AHA/ACC

Andrew Buelt, Jack Kennady, Michael Arnold

The American Heart Association/American College of Cardiology (AHA/ACC) updated guidelines for management of chest pain, which are endorsed by five other cardiology groups.

► Chest Pain | Coronary Heart Disease

## Letters to the Editor

### Rapid Removal of a Bee Stinger

Justin Schmidt, Richard S. Vetter, Li Schmidt

Reply: Joel Herness, Matthew J. Snyder, Raquelle Suzanne Newman



## Case Report: Onychodystrophy From Late-Onset Congenital Malalignment of the Great Toenails

Shi Yu Derek Lim, Wei Na Suzanne Cheng

## Case Report: Induced Lactation in an Adoptive Parent

Kevin Glover, Jeremy Jie Casey, Molly Gilbert

## Alcohol Use Disorder Following Metabolic Surgery

Kento Sonoda

## Information from Your Family Doctor

## Information for Patients Living With Fibromyalgia

Fibromyalgia (FI-bro-my-AL-juh) is a common condition that causes pain in muscles, joints, ligaments, and tendons. People with fibromyalgia often feel tired and stiff. They may also have trouble sleeping and may feel depressed. The symptoms of fibromyalgia can be different in...

## Treating Depression With Medicine

They are thought to work by changing levels of natural chemicals in your brain called neurotransmitters. Neurotransmitters help cells in your brain communicate with each other, and can change the way you feel. These medicines can help people with mild or moderate...





## FREE ISSUE

February 2023

Volume 228, Issue 2, Supplement, S771-S796

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- ☐ **A phase 3, multicenter, randomized, double-blind, placebo-controlled study to evaluate the efficacy of once monthly oral ibrexafungerp for prevention of recurrent vulvovaginal candidiasis (VVC)**

Goje O, Azie N, King T, Angulo D

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- ☐ **Maternal and fetal infection and antibody profiles following SARS-cov-2 infection in pregnancy: a prospective cohort study**

El-chaar D, Murphy M, Dingwall-harvey A, ... B. fell D, Walker M, Langlois M

Published in issue: February 2023

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- ☐ **Maternal and infant cytomegalovirus detection among women living with HIV**

McClymont E, Albert A, Côté H, ... Soudeyns H, Gantt S, I. Boucoiran

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- ☐ **Comparison of vaginal microbiota and inflammation between people with unexplained vs. male factor infertility**

Bar O, Vagios S, Elsherbini J, ... Chavarro J, Kwon D, Mitchell C

Published in issue: February 2023

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- ☐ **Bacterial vaginosis and spontaneous clearance of urogenital chlamydia trachomatis in the longitudinal study of vaginal flora**

Brown S, Tuddenham S, Shardell M, Klebanoff M, Ghanem K, Brotman R

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- ☐ **Safety and savings from penicillin allergy de-labelling in pregnancy: good stewardship, good cents**

Atkinson A, Zhang BY, Mak R, ... Wong T, Poliquin V, Elwood C

Published in issue: February 2023



☐ **Relationship between the maternal vaginal microbiome and the infant gut microbiome by mode of delivery**

Dos santos S, Pakzad Z, Albert A, ... Hill J, Money D, Team MMLP

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☐ **Metabolic contributions of vaginal lactobacilli species to the cervicovaginal environment utilizing human 3d cervical epithelial cell models**

Jimenez N, Maarsingh J, Laniewski P, Herbst-kralovetz M

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☐ **Outcomes and associations of severe COVID-19 in pregnancy; results from the CANCOVID-preg population surveillance study**

Atkinson A, Mcclymont E, Albert A, Elwood C, Money D

Published in issue: February 2023

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☐ **Extended interval gentamicin dosing in obstetrics**

Li C, Hardy E, Moreno K

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☐ **Association of pro-inflammatory fatty acid signatures with adverse pregnancy outcomes in pregnant persons living with human immunodeficiency virus**

Fisher S, Jao J, Yee LM, Chadwick EG, Jacobson DL

Published in issue: February 2023

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☐ **Quality and accuracy of youtube videos about the COVID vaccine in pregnancy**

Fairchild R, Price M, Craig A, Dotters-katz S

Published in issue: February 2023

☐ **Challenges in male partner referral among trichomonas vaginalis-infected women**

Muzny C, Van gerwen O, Aaron K, Pearlman R, Kissinger P

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☐ **Identification of trichomonas vaginalis 5-nitroimidazole resistance targets to inform future drug development**

Graves K, Sharma J, Reily C, ... Secor E, Novak J, Muzny C

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☐ **Peripartum bacteremia: bacterial epidemiology, antibiotics, and neonatal outcomes**

Mohn S, Reimer R, Mar N, Katelieva A, Elwood C

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☐ **Condomless vaginal intercourse and lubricant use are independently associated with antioxidants within the vaginal tract**

Borgogna J, Grace S, Holm JB, ... Ravel J, Brotman R, Yeoman C

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☐ **Short-Term breastfeeding and breastmilk supply changes associated with presence of systemic symptoms following COVID-19 vaccination among lactating individuals**

Covelli I, Haghighi C, Frank Y, Eckert LO, Englund JA, Kachikis A

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## Response to antibiotic treatment of bacterial vaginosis predicts the effectiveness of LACTIN-v (lactobacillus crispatus CTV-05) in the prevention of recurrent disease

Hemmerling A, Wierzbicki MR, Casillas G, Cohen CR

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## ☐ Maternal COVID-19 vaccination and 6-month infant developmental outcomes

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Duggal R, Craig A, Unnithan S, ... Weaver K, Swamy G, Hughes B

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## ☐ Integrated prenatal and hepatitis c virus care increases linkage

Chappell C, Mayo S, Grosko J, Schaffer E, Krans E

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## ☐ Training gynecologists in the management of HIV pre-exposure prophylaxis: a 2-year experience

Silvestri F, Alvarez N, Afzal O, Dolan S, Urbina A, Ramirez zamudio A

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## ☐ Developing sentinel surveillance for chlamydia, gonorrhea, and trichomonas using test results from routine screening during pregnancy

Lazenby G, Korte J, Pekar E, Peterman T, Cope A

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## ☐ Is lactobacillus phage involved in the pathogenesis of bacterial vaginosis?

Elnaggar J, Taylor C, Toh E, ... Lefkowitz E, Nelson D, Muzny C

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## Estimated time to relief from vulvovaginal symptoms with ibrexafungerp: patient reported data from the VANISH studies

Azie N, King T, Sanchez S, Angulo D

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### ☐ Effect of indoor residual spraying on malaria in pregnancy and pregnancy outcomes: a systematic review

Kim T, Pettiette erlinger A, Joshi A, Hacker M, Wylie B

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### ☐ COVID-19 vaccine uptake, vaccine confidence and medical mistrust among reproductive-aged women in jamaica

Pinkney J, Carroll K, Bryan L, ... Hyle E, Ojikutu B, Bogart L

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### ☐ Canadian antenatal COVID-19 seroprevalence study; population mapping of the COVID-19 pandemic utilizing stored antenatal sera

Atkinson A, Mcclymont E, Albert A, ... Andrade J, Levett P, Money D

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### ☐ Pregnancy outcomes by pandemic wave among pregnant individuals with COVID-19 infection

Craig A, Judge-golden C, Moyett J, Ramey-collier K, Hughes BL, Dotters-katz SK

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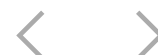
### ☐ A prospective cohort study on pregnancy outcomes in women immunized with seasonal quadrivalent influenza vaccine (QIV) during pregnancy

Robinson C, Oberye J, Van boxmeer J, ... Sawlwin D, Hohenboken M, Edelman J

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☐ **Disease severity across pandemic waves among pregnant individuals with COVID-19**

Judge-golden C, Craig A, Moyett J, Ramey-collier K, Hughes B, Dotters-katz S  
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☐ **Fluconazole resistant candida albicans vaginal infections at a referral center and results with boric acid as a treatment regimen**

File B, Sobel R, Becker M, Nyirjesy P  
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☐ **Male family members' perceptions of COVID-19 vaccination of pregnant and breastfeeding people in kenya**

Njogu R, Odera S, Njagi W, ... Karron R, Limaye R, Noguchi L  
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☐ **Oteseconazole for RVVC in diabetes: post-hoc analysis of safety and clinical response in phase 3 studies**

Nyirjesy P, Sobel JD, Degenhardt T, ... Person K, Mcgaurn S, Brand S  
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☐ **Delta variant neutralizing antibody response following maternal COVID19 vaccination**

Craig A, Garrido pavon C, Byrd A, ... Swamy GK, Fouda G, Hughes BL  
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☐ **Comparing group to individual prenatal care for pregnant people living with HIV**

Duque A, Mckinney J, Shannon K, ... Qian Q, Wu H, Levison J  
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☐ **Reactogenicity, SARS-cov-2 infection, and pregnancy outcomes following COVID-19 vaccination during pregnancy in canada**

Mcclymont E, Atkinson A, Albert A, ... Snelgrove J, MTunde-Byass M, Money D  
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☐ **Patterns of nucleic acid amplification testing among women with incident versus prevalent diagnoses of vaginitis**

Dabrowski EC, Yoon LS, Albright DG, Madsen AM, Troeger KA  
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☐ **Delivery and neonatal outcomes of women critically ill with COVID-19**

Rizzuto J, Amarin J, Polic A, ... Halasa N, Patel S, Thompson J  
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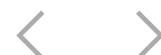
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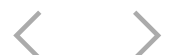
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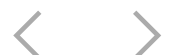
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The February issue of *AJPH* features a special section from *AJPH's* Student Think Tank on peace and public health.

Select articles cover pathways to peace in conflict zones, community-based climate action, health justice in response to the impacts of HIV and COVID-19, and reproductive rights.

Other papers in this issue address topics such as COVID-19 vaccination uptake in homeless communities, rural-urban disparities in adverse maternal outcomes, insurance-based discrimination, and more.

Support for this issue was provided by a grant from the Robert Wood Johnson Foundation.

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American Journal of Public Health: 113(2), pp. 228–237

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Ning Liu, PhD and Joel G. Ray, MD, MSc

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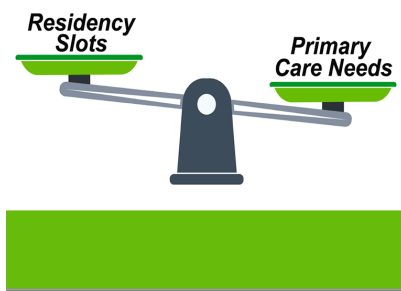
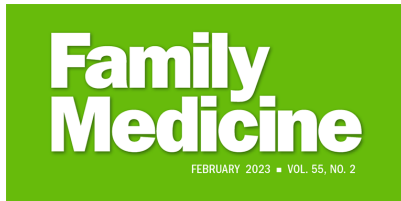
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Journal Vol. 42, No. 2

# February 2023 | Behavioral Health, Nursing Home Workforce & More

FROM THE EDITOR-IN-CHIEF

Behavioral Health, Nursing Home Workforce, And More

[Alan R. Weil](#)

FREE ACCESS

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LEADING TO HEALTH | BEHAVIORAL HEALTH CARE

Psychosocial Rehab Meets Patients' Behavioral Health Needs

[Brian Rinker](#)

OPEN ACCESS

[Abstract](#) | [Full text](#) | [PDF](#) | [References](#)  | 158-162

✓ [Preview Abstract](#)

A Northern California community clinic enlists a for-profit provider to help patients with mental health conditions live independently.

RESEARCH ARTICLE | THE PRACTICE OF MEDICINE

# Adult Primary Care Physician Visits Increasingly Address Mental Health Concerns

[Lisa S. Rotenstein](#), [Samuel T. Edwards](#), and [Bruce E. Landon](#)

[Abstract](#) | [Full text](#) | [PDF](#) | [References](#)  | 163-171

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A high prevalence of mental health diagnoses in adults alongside ongoing shortages of mental health specialists and expansion of the patient-centered medical home have increased the involvement of primary care clinicians in treating mental health ...

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RESEARCH ARTICLE | BEHAVIORAL HEALTH CARE

## Geographical Variations In Emergency Department Visits For Mental Health Conditions For Medicaid Beneficiaries

[K. John McConnell](#), [Kelsey Watson](#), [Esther Choo](#), and [Jane M. Zhu](#)

[Abstract](#) | [Full text](#) | [PDF](#) | [References](#)  | 172-181

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Despite Medicaid's importance as a payer and source of coverage for mental health care, relatively little is known about how prevalence, access, and quality might vary among Medicaid beneficiaries. This study used national Medicaid data from 2018 to ...

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DATAWATCH | OPIOID USE DISORDER

## Many Clinicians Implement Digital Equity Strategies To Treat Opioid Use Disorder

[Lori Uscher-Pines](#), [Lauren E. Riedel](#), [Ateev Mehrotra](#), [Sherri Rose](#), [Alisa B. Busch](#), and [Haiden A. Huskamp](#)

[Abstract](#) | [Full text](#) | [PDF](#) | [References](#)  | 182-186

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Drawing upon a longitudinal survey of clinicians who treat patients with opioid use disorder (OUD), we report changes over time in telemedicine use, clinicians' attitudes, and digital equity strategies. Clinicians reported less use of telemedicine (both ...

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RESEARCH ARTICLE | JUSTICE-INVOLVED POPULATION

# A Widening Divide: Cigarette Smoking Trends Among People With Substance Use Disorder And Criminal Legal Involvement

[Brendan Saloner](#), [Wenshu Li](#), [Michael Flores](#), [Ana M. Progovac](#), and [Benjamin Lê Cook](#)

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People with substance use disorder (SUD) smoke cigarettes at a rate more than twice that of the general population. Policies and programs have focused on promoting smoking cessation among people with SUD, yet it is unclear whether interventions have ...

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RESEARCH ARTICLE | AGE-FRIENDLY HEALTH

## Understanding Nursing Home Spending And Staff Levels In The Context Of Recent Nursing Staff Recommendations

[John R. Bowblis](#), [Christopher S. Brunt](#), [Huiwen Xu](#), and [David C. Grabowski](#)

[Abstract](#) | [Full text](#) | [PDF](#) | [References](#)  | 197-206

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To provide context for evaluating proposed nursing home staff regulations, we examined the proportion of facility revenues spent on nursing staff, as well as nursing staff levels in hours worked and paid per resident day, in 2019. Nationally, the median ...

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RESEARCH ARTICLE | AGE-FRIENDLY HEALTH

## The Role Of Real Estate Investment Trusts In Staffing US Nursing Homes

[Robert Tyler Braun](#), [Dunc Williams](#), [David G. Stevenson](#), [Lawrence P. Casalino](#), [Hye-young Jung](#), [Rahul Fernandez](#), and [Mark A. Unruh](#)

[Abstract](#) | [Full text](#) | [PDF](#) | [References](#)  | 207-216

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In 2021 real estate investment trusts (REITs) held investments in 1,806 US nursing homes. REITs are for-profit public or private corporations that invest in income-producing properties. We created a novel database of REIT investments in US nursing homes, ...

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RESEARCH ARTICLE | NURSING HOMES

# Differences In Nursing Home Staff COVID-19 Testing Rates And Odds Of Vaccination Across Work Shifts

[Elizabeth M. White](#), [Jasmine L. Travers](#), [Natalia Gouskova](#), [Gahee Oh](#), [Maggie Syme](#), [Xiaofei Yang](#), [Ana Montoya](#), [Richard A. Feifer](#), [David C. Grabowski](#), [Vincent Mor](#), and [Sarah D. Berry](#)

[Abstract](#) | [Full text](#) | [PDF](#) | [References](#)  | 217-226

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COVID-19 vaccination and regular testing of nursing home staff have been critical interventions for mitigating COVID-19 outbreaks in US nursing homes. Although implementation of testing has largely been left to nursing home organizations to coordinate, ...

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RESEARCH ARTICLE | COSTS & SPENDING

## Ground Ambulance Billing And Prices Differ By Ownership Structure

[Loren Adler](#), [Bich Ly](#), [Erin Duffy](#), [Kathleen Hannick](#), [Mark Hall](#), and [Erin Trish](#)

[Abstract](#) | [Full text](#) | [PDF](#) | [References](#)  | 227-236

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The No Surprises Act prohibits most surprise billing but notably does not apply to ground ambulance services. In this study we created a novel data set that identifies the ownership structure of ground ambulance organizations to compare pricing and ...

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RESEARCH ARTICLE | HEALTH EQUITY

## Ambulance Transport Destinations In The US Differ By Patient Race And Ethnicity

[Christine E. Pack](#), [Andrew T. Partain](#), [Remle P. Crowe](#), and [Lawrence H. Brown](#)

[Abstract](#) | [Full text](#) | [PDF](#) | [References](#)  | 237-245

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Patients in the US belonging to racial or ethnic minority groups often receive medical care in different hospitals than White patients, which contributes to health care disparities. We explored whether ambulance transport destinations contribute to this ...

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DATAWATCH | MEDICARE

# Substantial Growth In Medicare Advantage And Implications For Reform

[Erin Trish](#), [Samuel Valdez](#), [Paul B. Ginsburg](#), [Samantha Randall](#), and [Steven M. Lieberman](#)

[Abstract](#) | [Full text](#) | [PDF](#) | [References](#)  | 246-251

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Medicare Advantage (MA) enrollment increased by 22.2 million beneficiaries (337.0 percent) from 2006 through 2022, whereas traditional Medicare enrollment declined by 1.0 million (-2.9 percent) over that period. In 2022, adjusted MA penetration was 49.9 ...

---

RESEARCH ARTICLE | MEDICARE

## Narrow Dialysis Networks In Medicare Advantage: Exposure By Race, Ethnicity, And Dual Eligibility

[Eunhae Grace Oh](#), [David J. Meyers](#), [Kevin H. Nguyen](#), and [Amal N. Trivedi](#)

[Abstract](#) | [Full text](#) | [PDF](#) | [References](#)  | 252-260

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The 21st Century Cures Act permitted people with end-stage renal disease (ESRD) to enroll in Medicare Advantage (MA) effective January 2021. It is imperative to understand the breadth of dialysis facility networks across MA contracts because most patients ...

---

DATAWATCH | MATERNAL HEALTH

## Rates Of Preterm Birth And Low Birthweight: An Analysis Of Racial And Ethnic Populations

[Clare C. Brown](#), [Jennifer E. Moore](#), and [J. Mick Tilford](#)

[Abstract](#) | [Full text](#) | [PDF](#) | [References](#)  | 261-267

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Using National Center for Health Statistics data (2016–20), we evaluated variation in low birthweight and prematurity among racial and ethnic subcategories. Disparities as large as 2.3-fold among rates of low birthweight for “multiple race” subcategories ...

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RESEARCH ARTICLE | COVID-19

# Community Health, Health Care Access, And COVID-19 Booster Uptake In Massachusetts

[Adam Gaffney](#), [Steffie Woolhandler](#), [Jacob Bor](#), [Danny McCormick](#), and [David U. Himmelstein](#)

[Abstract](#) | [Full text](#) | [PDF](#) | [References](#)  | 268-276

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Booster vaccination offers vital protection against COVID-19, particularly for communities in which many people have chronic conditions. Although vaccination has been widely and freely available, people who have experienced barriers to care might be ...

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RESEARCH ARTICLE | PRIVATE HEALTH INSURANCE

## Trends In Medical And Pharmacy Spending In The Affordable Care Act Markets, 2015–19

[Nathaniel G. Jacobson](#), [Dane Hansen](#), and [Gabriela Dieguez](#)

[Abstract](#) | [Full text](#) | [PDF](#) | [References](#)  | 277-285

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To control rising costs, it is critical for payers, providers, and policy makers to understand trends in health care spending. Using data from both on- and off-exchange Affordable Care Act (ACA)-compliant small-group and individual insurance markets in ...

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RESEARCH ARTICLE | ORAL HEALTH

## Dental Services Use: Medicare Beneficiaries Experience Immediate And Long-Term Reductions After Enrollment

[Lisa Simon](#), [Zirui Song](#), and [Michael L. Barnett](#)

[Abstract](#) | [Full text](#) | [PDF](#) | [References](#)  | 286-295

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Traditional Medicare does not cover routine dental care, but little is known about transitions in dental outcomes upon reaching Medicare eligibility at age sixty-five. Using data from the 2010–19 Medical Expenditure Panel Surveys, we examined dental ...

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NARRATIVE MATTERS | WOMEN'S HEALTH

## Abortion Care Is Essential Medical Care



[Rachel Jensen](#)

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An abortion care provider shares stories from the front line and urges physicians to defend abortion care access within their communities.

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### **Racial disparities in pregnancy options counseling and referral in the US South**

Kristin Nobel MPH, Alina A. Luke MPH, Whitney S. Rice DrPH, MPH

Pages: 9-18 | First Published: 18 August 2022

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### **Examining sources of post-acute care inequities with layered target matching**

Bijan A. Niknam BS, Jose R. Zubizarreta PhD

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### **Measuring health disparities using a continuous social risk factor**

Jeph Herrin PhD, Andrea Barthel MS, Demetri Goutos MBA, Chengan Du PhD, Sheng Zhou MD, ScM, Alon Peltz MD, MBA, MHS, James Poyer MS, MBA, Zhenqiu Lin PhD, Susannah Bernheim MD, MHS

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### **Racism is a motivator and a barrier for people of color aspiring to become midwives in the United States**

Renee Mehra PhD, MS, Amy Alspaugh PhD, MSN, CNM, Jennie Joseph LM, CPM, Bethany Golden RN, MSN, CNM, Nikki Lanshaw MPH, Monica R. McLemore RN, PhD, MPH, FAAN, Linda S. Franck RN, PhD,

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## SOCIAL DETERMINANTS OF HEALTH

### **Social risk adjustment in the hospital readmission reduction program: Pitfalls of peer grouping, measurement challenges, and potential solutions**

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Lindsay Allen PhD, MA, Diana Henry BA, Alicia Atwood PhD, MPH

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### **The adoption of social determinants of health documentation in clinical settings**

Maura M. Kepper PhD, Callie Walsh-Bailey MPH, Beth Prusaczyk PhD, Min Zhao MS, Cynthia Herrick MD, Randi Foraker PhD, MA

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Sophia C. Anyatonwu MPH, Timothy Callaghan PhD

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Kathleen Carey PhD, Meng-Yun Lin PhD

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Huang Huang PhD, Xi Zhu PhD, Fred Ullrich BA, A. Clinton MacKinney MD, Keith Mueller PhD

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### **Impact of Medicare eligibility on informal caregiving for surgery and stroke**

Ana C. De Roo MD, MSc, Jinkyung Ha PhD, Scott E. Regenbogen MD, MPH, Geoffrey J. Hoffman PhD

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### **Short-term effects of comprehensive caregiver supports on caregiver outcomes**

Katherine E. M. Miller PhD, MSPH, Courtney H. Van Houtven PhD, MSc, Erin E. Kent PhD, MS, Donna Gilleskie PhD, G. Mark Holmes PhD, Valerie A. Smith DrPH, MS, Sally C. Stearns PhD

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Onyinye Oyeka MPH, Kanika Arora PhD

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Helena Temkin-Greener PhD, Di Yan MS, Shubing Cai PhD

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## Effects of Medicare eligibility and enrollment at age 65 years on the use of high-value and low-value care

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## Elevated end-of-life spending: A new measure of potentially wasteful health care spending at the end of life

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Sarah Verbiest DrPH, MSW, MPH

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## **Black maternal health scholars on fire: Building a network for collaboration and activism**

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## **Preventive care visits with OB/GYNs and generalist physicians among reproductive-age women with chronic conditions**

Laura Attanasio PhD, Brittany Ranchoff MPH, Chanup Jeung PhD, Sarah Goff MD, PhD, Kimberley Geissler PhD

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Mehret Birru Talabi MD, PhD, Lisa S. Callegari MD, MPH, Traci M. Kazmerski MD, MS, Tamar Krishnamurti PhD, Elizabeth A. Mosley PhD, MPH, Sonya Borrero MD, MS

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## Development and pilot test of a pregnancy decision making tool for women with physical disabilities

Claire Z. Kalpakjian PhD, MS, Heidi J. Haapala MD, Susan D. Ernst MD, Brittany R. Orians LMSW, Melissa L. Barber BS, Lukonde Mulenga MPH, Shannen Bolde MPH, Jodi M. Kreschmer MSW, Rebecca Parten MSW, Susan Carlson MD, Sara Rosenblum MD, Gina M. Jay PhD

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Pages: 1-138

February 2023

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Kimberly Church MS, Shannon Munro PhD, APRN, BC, NP, Marianne Shaughnessy PhD, AGPCNP-BC, GS-C, Carolyn Clancy MD, MACP

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### Provider discussion of health goals and psychosocial needs: Comparing older to younger veteran experience

Alison M. Cogan PhD, OTR/L, Debra Saliba MD, MPH, W. Neil Steers, Stephen Frochen PhD, Kimberly A. Lynch MD, MS, David A. Ganz MD, PhD, Donna L. Washington MD, MPH, FACP

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### Telehealth for geriatric post-emergency department visits to promote age-friendly care

Colleen M. McQuown MD, Kristina T. Snell, Lauren M. Abbate MD, PhD, Ethan M. Jetter MPH, Jennifer K. Blatnik MSW, Luna C. Ragsdale MD, MPH

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### Perceived benefits of geriatric specialty telemedicine among rural patients and caregivers

Eileen M. Dryden PhD, Meaghan A. Kennedy MD, MPH, Jennifer Conti MPH, Jacqueline H. Boudreau MPH, Chitra P. Anwar MA, Kathryn Nearing PhD, MA, Camilla B. Pimentel PhD, MPH, William W. Hung

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### **Applying the age-friendly-health system 4M paradigm to reframe climate-related disaster preparedness for nursing home populations**

David Dosa MD, MPH, Dylan Jester PhD, MPH, Lindsay Peterson PhD, Debra Dobbs PhD, Kathy Black PhD, Lisa Brown PhD, ABPP

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### **An age-friendly population health dashboard geolocating by clinical and social determinant needs**

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### **Effects of an electronic health record-based mobility assessment and automated referral for inpatient physical therapy on patient outcomes: A quasi-experimental**

## study

Aileen Chou PT, DPT, Joshua K. Johnson DPT, PhD, Daniel B. Jones PhD, Tracey Euloth MPT, Beth A. Matcho PT, Andrew Bilderback MS, Janet K. Freburger PT, PhD

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### Impact of a collaboration revolving around virtual capacity evaluations

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### Unmet needs for food, medicine, and mental health services among vulnerable older adults during the COVID-19 pandemic

Ming Tai-Seale MPH, PHD, Michael W. Cheung BA, Jamie Kwak BSPH, Victoria Harris MPH, Samantha Madonis MSN, RN, PHN, Lc Russell MSN, BSN, RN, Eileen Haley MSN, RN, CNS, CCM, Parag Agnihotri MD

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### Collaborating toward equity in Pennsylvania: The Age-Friendly Care, PA project

Diane Berish PhD, Erica Husser PhD, Jenny Knecht-Fredo MSN, CRNP, Jacqueline Sabol MEd, George Garrow MD, Judith Hupcey EdD, CRNP, FAAN, Donna Fick RN, GCNS-BC, PhD, FGSA, FAAN

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### Achievement of age-friendly health systems committed to care excellence designation in a convenient care health care system

Anne M. Pohnert MSN, RN, FNP-BC, Nicholas K. Schiltz PhD, Lilia Pino PhD, RN, FNP-C, Sarah Ball MSN, RN, APRN, Evelyn G. Duffy DNP, AGPCNP-BC, FAANP, Mary E. McCormack MSN, MPH, RN, APNC, Brant

Oliver PhD, MS, MPH, FNP-BC, PMHNP-BC, Angela Patterson DNP, FNP-BC, NEA-BC, FAANP, Leslie Pelton MPA, Mary A. Dolansky PhD, RN, FAAN

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### **Geriatric fracture program centering age-friendly care associated with lower length of stay and lower direct costs**

Kathleen Breda NP, MSN, BBA, AGACNP-BC, ONP-C, Michelle S. Keller PhD, MPH, Hiroshi Gotanda MD, PhD, Alexander Beland DO, Karma McKelvey PhD, MPH, Carol Lin MD, Sonja Rosen MD

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### **The effect of the right care, right place, right time (R3) initiative on Medicare health service use among older affordable housing residents**

Jane Tavares PhD, Liz Simpson MPH, MS, Edward Alan Miller PhD, MPA, Pamela Nadash PhD, BPhil, Marc Cohen PhD

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### **How “age-friendly” are deprescribing interventions? A scoping review of deprescribing trials**

Jinjiao Wang PhD, RN, Jenny Y. Shen MD, Yeates Conwell MD, Eric J. Podsiadly BA, Thomas V. Caprio MD, MPH, MS, Kobi Nathan PharmD, Fang Yu PhD, RN, GNP-BC, FGSA, FAAN, Erika E. Ramsdale MD, Donna M. Fick PhD, FAAN, Amanda S. Mixon MD, MS, MSPH, Sandra F. Simmons PhD

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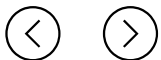
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**February 7, 2023, Vol 329, No. 5, Pages 357-434**

## In This Issue of JAMA

### Audio Highlights

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JAMA. 2023;329(5):e2215782. doi:10.1001/jama.2022.15782



**Audio:** Aflibercept to Prevent Vision Complications of Diabetic Retinopathy, History of Adverse Pregnancy Outcomes and CT-Identified Coronary Artery Disease, Review of Managing Menopausal Symptoms, and more

## Original Investigation

**Four-Year Visual Outcomes in the Protocol W Randomized Trial of Intravitreal Aflibercept for Prevention of Vision-Threatening Complications of Diabetic Retinopathy**

Raj K. Maturi, MD; Adam R. Glassman, MS; Kristin Josic, PHD; et al.

[Abstract](#) | [Full Text](#)

JAMA. 2023;329(5):376-385. doi:10.1001/jama.2022.25029

This randomized clinical trial analyzes the effects of aflibercept injections vs sham for reducing disease progression and improving long-term visual acuity in patients with nonproliferative diabetic retinopathy.

---

## Association Between Drug Characteristics and Manufacturer Spending on Direct-to-Consumer Advertising

Michael J. DiStefano, PhD; Jenny M. Markell, BA; Caroline C. Doherty, MHS; et al.

[Abstract](#) | [Full Text](#)

JAMA. 2023;329(5):386-392. doi:10.1001/jama.2022.23968

This pharmacoeconomic study estimates associations between drug characteristics and the proportion of manufacturer promotional spending allocated to direct-to-consumer advertising.

### Editorial

#### Manufacturer Spending on Direct-to-Consumer Advertising for Pharmaceutical Products

Amanda Starc, PhD

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## Association Between History of Adverse Pregnancy Outcomes and Coronary Artery Disease Assessed by Coronary Computed Tomography Angiography

Sofia Sederholm Lawesson, MD, PhD; Eva Swahn, MD, PhD; Mats Pihlsgård, PhD; et al.

[Abstract](#) | [Full Text](#)

JAMA. 2023;329(5):393-404. doi:10.1001/jama.2022.24093

This study assesses the association of history of adverse pregnancy outcomes with subsequent image-identified coronary artery disease among a population-based cohort of women in Sweden.

### Editorial

#### Adverse Pregnancy Outcomes—Risk Enhancers Whose Time Has Finally Arrived

Natalie A. Bello, MD, MPH



## Research Letter

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### Accuracy of Electronic Health Record Food Insecurity, Housing Instability, and Financial Strain Screening in Adult Primary Care

Christopher A. Harle, PhD; Wei Wu, PhD; Joshua R. Vest, PhD, MPH

[Abstract](#) | [Full Text](#)

*JAMA*. 2023;329(5):423-424. doi:10.1001/jama.2022.23631

This study assesses the accuracy of electronic health record-based screening questionnaires about social risk factors using external single-domain questionnaires as a comparator.

## Viewpoint

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### Pulse Oximeters and Violation of Federal Antidiscrimination Law

Annabel Kupke, BA, BS; Carmel Shachar, JD, MPH; Christopher Robertson, JD, PhD, MA

[Abstract](#) | [Full Text](#)

*JAMA*. 2023;329(5):365-366. doi:10.1001/jama.2022.24976

This Viewpoint discusses how some pulse oximeters can provide incorrect oxygen saturation data for dark-skinned patients compared with light-skinned patients, describes the reasons that biased oximeters remained in use, and highlights why a rule recently proposed by the US Department of Health and Human Services may bring about needed change in the use of pulse oximetry for patients with dark skin.

---

### Pharmacy Benefit Managers and the Federal Trade Commission: A Relationship Gone Sour

Barak D. Richman, JD, PhD; Eli Y. Adashi, MD, MS

[Abstract](#) | [Full Text](#)

*JAMA*. 2023;329(5):367-368. doi:10.1001/jama.2022.24731

This Viewpoint provides a brief history of pharmacy benefit managers (PBMs), describes the ways in which PBMs have acquired influence in the prescription drug distribution system, and suggests possible scenarios surrounding the June 2022 decision by the Federal Trade Commission to launch an investigation into PBM business practices.

## A Piece of My Mind

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### Gray Hair

Dean A. Seehusen, MD, MPH

[Abstract](#) | [Full Text](#)

**FREE** JAMA. 2023;329(5):369-370. doi:10.1001/jama.2022.24577

In this narrative medicine essay, a chair of a family medicine department views the wide generation gap between him and his medical students as an unexpected turn from what he had imagined he would feel upon becoming a senior physician.

## Editorial

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### Manufacturer Spending on Direct-to-Consumer Advertising for Pharmaceutical Products

Amanda Starc, PhD

[Abstract](#) | [Full Text](#)

JAMA. 2023;329(5):371-373. doi:10.1001/jama.2022.24078

### Adverse Pregnancy Outcomes—Risk Enhancers Whose Time Has Finally Arrived

Natalie A. Bello, MD, MPH

[Abstract](#) | [Full Text](#)

JAMA. 2023;329(5):373-375. doi:10.1001/jama.2022.24387

## Review

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### Management of Menopausal Symptoms: A Review

Carolyn J. Crandall, MD, MS; Jaya M. Mehta, MD; JoAnn E. Manson, MD, DrPH

[Abstract](#) | [Full Text](#)

 CME  JAMA. 2023;329(5):405-420. doi:10.1001/jama.2022.24140

This narrative review discusses treatments for women with bothersome vasomotor symptoms (hot flashes, night sweats, or both) and genitourinary syndrome of menopause (genitourinary symptoms), which include hormonal and nonhormonal options.



**Audio:** Treatment of Menopausal Symptoms



## JAMA Insights

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### Management of Latent Tuberculosis Infection

Steven Kim, MD; Rebecca Thal, MSN, NP; Daria Szkwarko, DO, MPH

[Abstract](#) | [Full Text](#)

  CME JAMA. 2023;329(5):421-422. doi:10.1001/jama.2022.24362

This JAMA Insights Clinical Update examines treatment recommendations and therapy options among adults with latent tuberculosis infection.

## Editor's Note

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### More Medical News Clinicians Can Use

Jennifer Abbasi; Preeti N. Malani, MD, MSJ

[Abstract](#) | [Full Text](#)

 JAMA. 2023;329(5):359. doi:10.1001/jama.2023.0409

## Medical News & Perspectives

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### Quick Uptakes

### Swab the Throat as Well as the Nose? The Debate Over the Best Way to Test for SARS-CoV-2

Rita Rubin, MA

[Abstract](#) | [Full Text](#)



JAMA. 2023;329(5):357-358. doi:10.1001/jama.2022.23311

This Medical News article discusses whether swabbing both the nose and the throat might improve the sensitivity of rapid antigen COVID-19 tests.



**Audio:** January 2023 Medical News Summary

## News From the JAMA Network

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### From Thought to Text: How an Endovascular Brain-Computer Interface Could Help Patients With Severe Paralysis Communicate

Jennifer Abbasi; Melissa Suran, PhD, MSJ

**Abstract** | **Full Text**



JAMA. 2023;329(5):360-362. doi:10.1001/jama.2022.24343

This Medical News article discusses a recent clinical trial of a brain-computer interface implanted through the vascular system.



**Audio:** January 2023 Medical News Summary

#### Editor's Note

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## Medical News in Brief

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### Lecanemab Gains FDA Approval for Early Alzheimer Disease

Howard D. Larkin

**Abstract** | **Full Text**

JAMA. 2023;329(5):363. doi:10.1001/jama.2022.24490

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## Substance Use, Mental Health Challenges Widespread in 2021

Howard D. Larkin

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JAMA. 2023;329(5):363. doi:10.1001/jama.2022.24491

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## Gene Edited Tumor Cells Kill and Prevent Cancer in Mice

Howard D. Larkin

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JAMA. 2023;329(5):363. doi:10.1001/jama.2022.24492

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## Child Asthma Tied to Specific Urban Air Pollutants

Howard D. Larkin

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JAMA. 2023;329(5):363. doi:10.1001/jama.2022.24493

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## NIH Pilots Telehealth Program for COVID-19

Howard D. Larkin

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JAMA. 2023;329(5):363-364. doi:10.1001/jama.2022.24494

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## AAP Recommends Immediate, Intensive Treatment for Child Obesity

Howard D. Larkin

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JAMA. 2023;329(5):364. doi:10.1001/jama.2022.24495

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## Sickle Cell Disease Gene Therapy Trial Paused

Howard D. Larkin

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JAMA. 2023;329(5):364. doi:10.1001/jama.2022.24496

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## Letters to Clinicians May Promote Better-Informed Opioid Prescribing

Howard D. Larkin

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JAMA. 2023;329(5):364. doi:10.1001/jama.2022.24497

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## Patients With Mild COVID-19 at Risk of Some Post-COVID-19 Condition Symptoms

Howard D. Larkin

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**FREE** JAMA. 2023;329(5):364. doi:10.1001/jama.2022.24498

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## Poetry and Medicine

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Elane Kim

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## JAMA Revisited

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## Congressional Testimony: The Importance of the Right Witness

[Abstract](#) | [Full Text](#)

**FREE** JAMA. 2023;329(5):430. doi:10.1001/jama.2022.15783

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## JAMA Patient Page

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## What Is an Ectopic Pregnancy?

Iris T. Lee, MD; Kurt T. Barnhart, MD, MSCE

[Abstract](#) | [Full Text](#)

**FREE** JAMA. 2023;329(5):434. doi:10.1001/jama.2022.22941

This JAMA Patient Page describes ectopic pregnancy and its risk factors, symptoms, diagnosis, and treatment.

## Comment & Response

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### **SARS-CoV-2 Results in Self-collected Nasal Swabs vs Swabs Collected by Health Care Workers in Children and Adolescents**

Ki Ho Hong, MD, PhD; Heungsup Sung, MD, PhD

[Abstract](#) | [Full Text](#)

JAMA. 2023;329(5):424-425. doi:10.1001/jama.2022.21596

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### **SARS-CoV-2 Results in Self-collected Nasal Swabs vs Swabs Collected by Health Care Workers in Children and Adolescents—Reply**

Jesse J. Waggoner, MD; Erika A. Tyburski, BS; Wilbur A. Lam, MD, PhD

[Abstract](#) | [Full Text](#)

JAMA. 2023;329(5):425-426. doi:10.1001/jama.2022.21599

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### **Vaccination, Acute Myocardial Infarction, and Ischemic Stroke After COVID-19 Infection**

Wei-Min Chu, MD, PhD; Chi-Yen Wang, MD; James Cheng-Chung Wei, MD, PhD

[Abstract](#) | [Full Text](#)

JAMA. 2023;329(5):426. doi:10.1001/jama.2022.21624

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### **Vaccination, Acute Myocardial Infarction, and Ischemic Stroke After COVID-19 Infection—Reply**

Kyungmin Huh, MD; Young-Eun Kim, PhD; Jaehun Jung, MD, PhD

[Abstract](#) | [Full Text](#)

JAMA. 2023;329(5):426-427. doi:10.1001/jama.2022.21627

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## **Mpox Outbreak Update**



Ya Bin Zhou, MD, PhD

**Abstract** | **Full Text**

JAMA. 2023;329(5):427-428. doi:10.1001/jama.2022.21630

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## Mpox Outbreak Update—Reply

Carlos del Rio, MD; Preeti Malani, MD, MSJ

**Abstract** | **Full Text**

JAMA. 2023;329(5):428. doi:10.1001/jama.2022.21633

## JAMA Masthead

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### JAMA

**Abstract** | **Full Text**

**FREE** JAMA. 2023;329(5):365-366. doi:10.1001/jama.2022.15781



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February 14; 329 (6): 447-520



February 14, 2023, Vol 329, No. 6, Pages 447-520

## In This Issue of JAMA

### Audio Highlights

[Abstract](#) | [Full Text](#)

FREE

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JAMA. 2023;329(6):e2215791. doi:10.1001/jama.2022.15791



**Audio Editors' Summary:** Atropine Eyedrops to Prevent Myopia in Children, Household Transmission of Influenza A in 2021-2022, USPSTF Recommendation on Serologic Screening for Genital Herpes Infection, and more

## Original Investigation

**Effect of Low-Concentration Atropine Eyedrops vs Placebo on Myopia Incidence in Children: The LAMP2 Randomized Clinical Trial**

Jason C. Yam, MPH; Xiu Juan Zhang, PhD; Yuzhou Zhang, PhD; et al.

[Abstract](#) | [Full Text](#)

JAMA. 2023;329(6):472-481. doi:10.1001/jama.2022.24162

This randomized placebo-controlled trial examines the efficacy of low-concentration atropine eye-drops (0.05% and 0.01% concentration) for delaying the onset of myopia in children vs placebo.

## Editorial

### Delaying the Onset of Nearsightedness

David A. Berntsen, OD, PhD; Jeffrey J. Walline, OD, PhD

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## Household Transmission of Influenza A Viruses in 2021-2022

Melissa A. Rolfes, PhD, MPH; H. Keipp Talbot, MD; Huong Q. McLean, PhD, MPH; et al.

[Abstract](#) | [Full Text](#)

**FREE** JAMA. 2023;329(6):482-489. doi:10.1001/jama.2023.0064

This prospective study compares the risk of transmission of influenza virus infection among household contacts of patients with influenza during the 2021-2022 influenza season vs before the COVID-19 pandemic influenza seasons in the US.

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## Discriminative Accuracy of the CAPTURE Tool for Identifying Chronic Obstructive Pulmonary Disease in US Primary Care Settings

Fernando J. Martinez, MD, MS; MeiLan K. Han, MD, MS; Camden Lopez, MS; et al.

[Abstract](#) | [Full Text](#)

JAMA. 2023;329(6):490-501. doi:10.1001/jama.2023.0128

This cross-sectional study evaluates the operating characteristics of the CAPTURE screening tool by identifying US primary care patients with undiagnosed, clinically significant COPD.

## Editorial

### Screening for Chronic Obstructive Pulmonary Disease: Unmet Needs and Future Considerations

Barbara P. Yawn, MD, MSc; Nancy K. Leidy, PhD; Fernando Martinez, MD, MS

## Research Letter

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### Serologic Screening for Genital Herpes: Updated Evidence Report and Systematic Review for the US Preventive Services Task Force

Gary N. Asher, MD, MPH; Cynthia Feltner, MD, MPH; Wade N. Harrison, MD, MPH; et al.

[Abstract](#) | [Full Text](#)

  JAMA. 2023;329(6):510-512. doi:10.1001/jama.2022.20356

This systematic review to support the 2023 US Preventive Services Task Force Recommendation Statement on serologic screening for genital herpes summarizes published evidence on the benefits and harms of screening and interventions for genital herpes in asymptomatic sexually active adolescents, adults, and pregnant persons with no clinical history of genital herpes.



**Audio Author Interview:** USPSTF Recommendation: Serologic Screening for Genital Herpes Infection

#### Editorial

**Reducing HSV-2 Morbidity and Mortality: Routine Serologic Screening Still Not the Best Answer**

Mark D. Pearlman, MD



**Audio Author Interview:** USPSTF Recommendation: Serologic Screening for Genital Herpes Infection

## US Preventive Services Task Force




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### Recommendation Statement

### Serologic Screening for Genital Herpes Infection: US Preventive Services Task Force Reaffirmation Recommendation Statement

US Preventive Services Task Force

[Abstract](#) | [Full Text](#)

   JAMA. 2023;329(6):502-507. doi:10.1001/jama.2023.0057

This 2023 Recommendation Statement from the US Preventive Services Task Force recommends against routine serologic screening for genital HSV infection in asymptomatic adolescents and adults, including pregnant persons (D recommendation).



**Audio Author Interview:** USPSTF Recommendation: Serologic Screening for Genital Herpes Infection

## Editorial

### Reducing HSV-2 Morbidity and Mortality: Routine Serologic Screening Still Not the Best Answer

Mark D. Pearlman, MD



**Audio Author Interview:** USPSTF Recommendation: Serologic Screening for Genital Herpes Infection

## Viewpoint

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### Recent Patent Reform Bills and Their Implications for Prescription Drugs

S. Sean Tu, PhD, JD; Sarosh Nagar; Aaron S. Kesselheim, MD, JD

[Abstract](#) | [Full Text](#)

JAMA. 2023;329(6):459-460. doi:10.1001/jama.2022.24983

This Viewpoint discusses 3 bills introduced recently in Congress that focus on patent eligibility, fraud, and quality and that have major implications for clinical medicine and pharmaceutical development.

### The CRISPR Patent Ruling and Implications for Medicine

Jordan Paradise, JD

[Abstract](#) | [Full Text](#)

JAMA. 2023;329(6):461-462. doi:10.1001/jama.2022.24986

This Viewpoint discusses the CRISPR patent ruling, an ongoing patent dispute, and the implications for research and medical innovation.

## A Piece of My Mind

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## Delivering Bad News Badly

Matthew J. Farrell, MD, MFA

[Abstract](#) | [Full Text](#)

 JAMA. 2023;329(6):463-464. doi:10.1001/jama.2022.24765

In this narrative medicine essay, a resident physician practicing how to deliver bad diagnostic news to patients struck a balance upon learning that authenticity and presence were more important than the exact words he chose.

## Editorial

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### Delaying the Onset of Nearsightedness

David A. Berntsen, OD, PhD; Jeffrey J. Walline, OD, PhD

[Abstract](#) | [Full Text](#)

JAMA. 2023;329(6):465-466. doi:10.1001/jama.2022.24386

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### Quantitative Analyses of Regulatory Policies for Medical Devices: Matching the Methods to the Moment

Daniel B. Kramer, MD, MPH; Robert W. Yeh, MD, MSc

[Abstract](#) | [Full Text](#)

JAMA. 2023;329(6):467-469. doi:10.1001/jama.2022.23888

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### Reducing HSV-2 Morbidity and Mortality: Routine Serologic Screening Still Not the Best Answer

Mark D. Pearlman, MD

[Abstract](#) | [Full Text](#)

  JAMA. 2023;329(6):469-471. doi:10.1001/jama.2022.24870



**Audio Author Interview:** USPSTF Recommendation: Serologic Screening for Genital Herpes Infection

## JAMA Guide to Statistics and Methods

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## Conditional Power: How Likely Is Trial Success?

Benjamin R. Saville, PhD; Michelle A. Detry, PhD; Kert Viele, PhD

[Abstract](#) | [Full Text](#)



JAMA. 2023;329(6):508-509. doi:10.1001/jama.2022.25080

This JAMA Guide to Statistics and Methods article examines conditional power, calculated while a trial is ongoing and based on both the currently observed data and an assumed treatment effect for future patients.

## Editor's Note

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### Beautiful Noise

Rafael Campo, MA, MD

[Abstract](#) | [Full Text](#)



JAMA. 2023;329(6):516. doi:10.1001/jama.2022.24895

## Medical News & Perspectives

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### Ceasefire Declared, but Ethiopian Health Systems Remain in Critical Condition After Civil War

Howard D. Larkin

[Abstract](#) | [Full Text](#)



JAMA. 2023;329(6):451-453. doi:10.1001/jama.2022.21151

This Medical News article discusses the total collapse of health care systems in Ethiopia during a 2-year armed conflict.



**Audio:** January 2023 Medical News Summary

### Editorial

#### War and Siege Halt Gynecologic Oncology Services for Women in the Tigray Region of Ethiopia: A Call to Action

Hale Teka, MD; Awol Yemane, MD; Ephrem Berhe, MD

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# Large Cohort Study Finds Possible Association Between Postural Orthostatic Tachycardia Syndrome and COVID-19 Vaccination but Far Stronger Link With SARS-CoV-2 Infection

Rita Rubin, MA

[Abstract](#) | [Full Text](#)

  JAMA. 2023;329(6):454-456. doi:10.1001/jama.2023.0050

This Medical News story discusses a study that found possible associations between postural orthostatic tachycardia syndrome (POTS) and COVID-19 vaccination and SARS-CoV-2 infection.



**Audio:** January 2023 Medical News Summary

## Medical News in Brief

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### Changes in *p53* Gene May Influence Cardiovascular Disease Risk

Emily Harris

[Abstract](#) | [Full Text](#)

 JAMA. 2023;329(6):457. doi:10.1001/jama.2023.0387

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### Wildfire Exposure Linked to Changes in Cognition and Brain Activity

Emily Harris

[Abstract](#) | [Full Text](#)

 JAMA. 2023;329(6):457. doi:10.1001/jama.2023.0388

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### Plan Calls for Global Collaboration to Address Child Undernutrition

Emily Harris

[Abstract](#) | [Full Text](#)

 JAMA. 2023;329(6):457. doi:10.1001/jama.2023.0389

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## Stroke Risk From Diabetes, High Blood Pressure May Decrease With Age

Emily Harris

[Abstract](#) | [Full Text](#)

**FREE** JAMA. 2023;329(6):457. doi:10.1001/jama.2023.0390

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## NIH Funds Research on Severe COVID-19-Related Illness in Children

Emily Harris

[Abstract](#) | [Full Text](#)

**FREE** JAMA. 2023;329(6):457-458. doi:10.1001/jama.2023.0391

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## New CT Scan Distinguishes Primary Aldosteronism Subtypes

Emily Harris

[Abstract](#) | [Full Text](#)

**FREE** JAMA. 2023;329(6):458. doi:10.1001/jama.2023.0392

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## Medicaid Expansion Tied to Reduction in Postpartum Hospitalizations

Emily Harris

[Abstract](#) | [Full Text](#)

**FREE** JAMA. 2023;329(6):458. doi:10.1001/jama.2023.0393

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## Gender-Affirming Hormones and Youth Well-being

Emily Harris

[Abstract](#) | [Full Text](#)

**FREE** JAMA. 2023;329(6):458. doi:10.1001/jama.2023.0394

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## Integrative Therapies Lessen Postsurgical Anxiety, Pain

Emily Harris

[Abstract](#) | [Full Text](#)

**FREE** JAMA. 2023;329(6):458. doi:10.1001/jama.2023.0395

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## The Arts and Medicine

### ***Collective*—Documentary of a National Health Care Tragedy**

Ștefan Strilciuc, PhD; Adrian Gheorghe, PhD

[Abstract](#) | [Full Text](#)

JAMA. 2023;329(6):449-450. doi:10.1001/jama.2023.0144

This Arts and Medicine feature reviews the 2019 movie *Collective*, which documents corruption underlying poor patient outcomes in the Romanian national health system and provides an update on the people and reform efforts featured in the film.

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## Poetry and Medicine

### **Tinnitus**

Gregory Luce, MA

[Abstract](#) | [Full Text](#)

**FREE** JAMA. 2023;329(6):516. doi:10.1001/jama.2022.24860

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#### **Editor's Note**

#### **Beautiful Noise**

Rafael Campo, MA, MD

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## JAMA Revisited

### **Vital Statistics in Prognosis**



[Abstract](#) | [Full Text](#)

**FREE** JAMA. 2023;329(6):517. doi:10.1001/jama.2022.15792

### Screening for Genital Herpes

Jill Jin, MD, MPH

[Abstract](#) | [Full Text](#)

  JAMA. 2023;329(6):520. doi:10.1001/jama.2023.0454

This JAMA Patient Page summarizes the US Preventive Services Task Force's recent recommendations on screening for genital herpes infection.



**Audio Author Interview:** USPSTF Recommendation: Serologic Screening for Genital Herpes Infection

#### Editorial

**Reducing HSV-2 Morbidity and Mortality: Routine Serologic Screening Still Not the Best Answer**

Mark D. Pearlman, MD



**Audio Author Interview:** USPSTF Recommendation: Serologic Screening for Genital Herpes Infection

## Comment & Response

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### SARS-CoV-2 Infection and Presymptomatic Type 1 Diabetes Autoimmunity in Children and Adolescents

Renin Chang, MD, PhD

[Abstract](#) | [Full Text](#)

JAMA. 2023;329(6):512. doi:10.1001/jama.2022.21991

### SARS-CoV-2 Infections and Presymptomatic Type 1 Diabetes Autoimmunity in Children and Adolescents—Reply

Marian Rewers, MD, PhD; Anette-Gabriele Ziegler, MD

[Abstract](#) | [Full Text](#)

JAMA. 2023;329(6):512-513. doi:10.1001/jama.2022.21994

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## Approaches to Prevention of Firearm Violence

Robert O. Nathan, MD, MPH

[Abstract](#) | [Full Text](#)

JAMA. 2023;329(6):513. doi:10.1001/jama.2022.21862

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## Approaches to Prevention of Firearm Violence—Reply

Marian E. Betz, MD, MPH; Joseph A. Simonetti, MD, MPH

[Abstract](#) | [Full Text](#)

JAMA. 2023;329(6):513-514. doi:10.1001/jama.2022.21865

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## Tracking All Injuries From Firearms in the US

Nicole Cook, PhD, MPA; Marion Sills, MD, MPH

[Abstract](#) | [Full Text](#)

JAMA. 2023;329(6):514. doi:10.1001/jama.2022.21997

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## Tracking All Injuries From Firearms in the US—Reply

Elinore J. Kaufman, MD, MSHP; M. Kit Delgado, MD, MS

[Abstract](#) | [Full Text](#)

JAMA. 2023;329(6):514-515. doi:10.1001/jama.2022.22000

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## Correction

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### Incorrect Units of Measure in a Table

[Abstract](#) | [Full Text](#)

**FREE** JAMA. 2023;329(6):515. doi:10.1001/jama.2023.0424

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### Error in Box

[Abstract](#) | [Full Text](#)

**FREE** JAMA. 2023;329(6):515. doi:10.1001/jama.2023.0570

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February 21; 329 (7): 525-602



February 21, 2023, Vol 329, No. 7, Pages 525-602

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### Audio Highlights

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JAMA. 2023;329(7):e2215800. doi:10.1001/jama.2022.15800



**Audio:** Aspirin Discontinuation at 24 to 28 Weeks' Gestation in Pregnancies at High Risk of Preterm Preeclampsia, African Ancestry-Specific APOE Variants and Risk of Alzheimer Disease, Review of Primary Brain Malignancies, and more

## Original Investigation

**Aspirin Discontinuation at 24 to 28 Weeks' Gestation in Pregnancies at High Risk of Preterm Preeclampsia: A Randomized Clinical Trial**

Manel Mendoza, PhD; Erika Bonacina, MD; Pablo Garcia-Manau, MD; et al.

[Abstract](#) | [Full Text](#)

JAMA. 2023;329(7):542-550. doi:10.1001/jama.2023.0691

This randomized clinical trial aims to determine whether aspirin discontinuation in pregnant individuals with normal soluble fms-like tyrosine kinase-1 to placental growth factor (sFlt-1:PlGF) ratio between 24 and 28 weeks of gestation was noninferior to aspirin continuation to prevent preterm preeclampsia.

## Editorial

### Biomarkers and the Risk of Preeclampsia

Ukachi N. Emeruwa, MD, MPH; Cynthia Gyamfi-Bannerman, MD, MS; Louise C. Laurent, MD, PhD

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## Association of African Ancestry-Specific *APOE* Missense Variant R145C With Risk of Alzheimer Disease

Yann Le Guen, PhD; Ana-Caroline Raulin, PhD; Mark W. Logue, PhD; et al.

[Abstract](#) | [Full Text](#)

JAMA. 2023;329(7):551-560. doi:10.1001/jama.2023.0268

This exploratory case-control study assesses the association of *APOE* missense variants with risk of Alzheimer disease among individuals of African ancestry with the *APOE*  $\epsilon 3/\epsilon 4$  genotype.

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## History of Low Hourly Wage and All-Cause Mortality Among Middle-aged Workers

Katrina L. Kezios, PhD; Peiyi Lu, PhD; Sebastian Calonico, PhD; et al.

[Abstract](#) | [Full Text](#)

JAMA. 2023;329(7):561-573. doi:10.1001/jama.2023.0367

This longitudinal study involving US workers collected wage information during a portion of peak earning years and examined whether a history of low-wage earning was associated with mortality risk.

### Dissemination of the Results of Pediatric Clinical Trials Funded by the US National Institutes of Health

Chris A. Rees, MD, MPH; Claire Narang, BS; Adrianna Westbrook, MPH; et al.

[Abstract](#) | [Full Text](#)

**FREE** JAMA. 2023;329(7):590-592. doi:10.1001/jama.2022.24025

This study examines practices related to trial registration and results submission in ClinicalTrials.gov and publication of pediatric clinical trials funded by the National Institutes of Health.

## Viewpoint

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### Assessing—and Extending—California's Insulin Manufacturing Initiative

Jacob S. Sherkow, JD, MA; Eli Y. Adashi, MD, MS; I. Glenn Cohen, JD

[Abstract](#) | [Full Text](#)

JAMA. 2023;329(7):533-534. doi:10.1001/jama.2023.0013

This Viewpoint reviews California's recently proposed CalRx initiative to manufacture biosimilar insulin, highlights challenges facing the initiative, and suggests ways in which, if successful, the initiative could serve as a model for state-managed development of drugs other than insulin, reduce drug prices, and provide other benefits.

### The Importance of Shifting Sepsis Quality Measures From Processes to Outcomes

Michael Klompas, MD, MPH; Chanu Rhee, MD, MPH; Mervyn Singer, MD

[Abstract](#) | [Full Text](#)

JAMA. 2023;329(7):535-536. doi:10.1001/jama.2023.0340

This Viewpoint discusses the failure of the Centers for Medicare & Medicaid Services' SEP-1 sepsis outcome improvement initiative to improve patients' sepsis outcomes and suggests changing the

focus of sepsis quality metrics from processes to outcomes.

## A Piece of My Mind

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### Sanctity

Huma Farid, MD

[Abstract](#) | [Full Text](#)

*JAMA*. 2023;329(7):537-538. doi:10.1001/jama.2022.24989

In this narrative medicine essay, an obstetrician finds relief from the frenetic intrusions of text messages, pages, and emails when in the operating room, where all devices are turned off and all her attention is turned on to her patient.

## Editorial

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### Biomarkers and the Risk of Preeclampsia

Ukachi N. Emeruwa, MD, MPH; Cynthia Gyamfi-Bannerman, MD, MS; Louise C. Laurent, MD, PhD

[Abstract](#) | [Full Text](#)

*JAMA*. 2023;329(7):539-541. doi:10.1001/jama.2022.24906

## Review

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### Glioblastoma and Other Primary Brain Malignancies in Adults: A Review

Lauren R. Schaff, MD; Ingo K. Mellinghoff, MD

[Abstract](#) | [Full Text](#)



*JAMA*. 2023;329(7):574-587. doi:10.1001/jama.2023.0023

This review summarizes current evidence regarding diagnosis and treatment of primary malignant brain tumors in adults.



**Audio:** Glioblastoma and Other Primary Brain Malignancies in Adults



## Women's Health

### Risk Factors, Symptoms, and Treatment of Lactational Mastitis

Adetola F. Louis-Jacques, MD; Margarita Berwick, MD; Katrina B. Mitchell, MD

[Abstract](#) | [Full Text](#)



JAMA. 2023;329(7):588-589. doi:10.1001/jama.2023.0004

This JAMA Insights Clinical Update reviews the risk factors for and symptoms of lactational mastitis and provides a potential treatment algorithm.

## Medical News & Perspectives

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### New HIV Vaccine Approach Safely Stimulated Rare Precursors to Broadly Neutralizing Antibodies

Melissa Suran, PhD, MSJ

[Abstract](#) | [Full Text](#)

JAMA. 2023;329(7):527-528. doi:10.1001/jama.2022.23242

This Medical News article discusses a clinical trial for an HIV vaccine that uses germline targeting, a novel technique to induce rare immune cell precursors of broadly neutralizing antibodies.

### Study Finds US Households, Especially in Rural Areas, Increasingly Shop at Dollar Stores for Food

Kate Ruder, MSJ

[Abstract](#) | [Full Text](#)

JAMA. 2023;329(7):529-530. doi:10.1001/jama.2023.0642

This Medical News article discusses a new study of household food purchasing trends from 2008 to 2020.

## Medical News in Brief

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## National Academies: Expand US Wastewater Disease Surveillance

Howard Larkin

[Abstract](#) | [Full Text](#)

*JAMA*. 2023;329(7):531. doi:10.1001/jama.2023.0739

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## High COVID-19 Rates Prompt Call for Better Nursing Home Protections

Howard Larkin

[Abstract](#) | [Full Text](#)

**FREE** *JAMA*. 2023;329(7):531. doi:10.1001/jama.2023.0740

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## Agent Slows Glioblastoma Tumors in Mice by Blocking Fat Metabolism

Howard Larkin

[Abstract](#) | [Full Text](#)

*JAMA*. 2023;329(7):531. doi:10.1001/jama.2023.0741

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## Hybrid Immunity More Protective Than Prior SARS-CoV-2 Infection Alone

Howard Larkin

[Abstract](#) | [Full Text](#)

*JAMA*. 2023;329(7):531. doi:10.1001/jama.2023.0743

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## New Report on Mpox Cases Leading Up to 2022 Global Outbreak

Howard Larkin

[Abstract](#) | [Full Text](#)

*JAMA*. 2023;329(7):531. doi:10.1001/jama.2023.0744

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## Nearly 500 000 in UK May Have Missed Blood Pressure Drugs

Howard Larkin

[Abstract](#) | [Full Text](#)

JAMA. 2023;329(7):531-532. doi:10.1001/jama.2023.0745

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## Both High- and Low-Dose Exercise Therapy Help Knee Osteoarthritis

Howard Larkin

[Abstract](#) | [Full Text](#)

JAMA. 2023;329(7):532. doi:10.1001/jama.2023.0746

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## Vasopressors or High-Volume IV Fluids Both Effective for Sepsis

Howard Larkin

[Abstract](#) | [Full Text](#)

JAMA. 2023;329(7):532. doi:10.1001/jama.2023.0747

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## Newly Discovered Host-Cell Factor Could Be a COVID-19 Treatment Target

Howard Larkin

[Abstract](#) | [Full Text](#)

**FREE** JAMA. 2023;329(7):532. doi:10.1001/jama.2023.0748

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## Poetry and Medicine

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### The Hole

Deirdre O'Connor, MFA

[Abstract](#) | [Full Text](#)

**FREE** JAMA. 2023;329(7):597. doi:10.1001/jama.2023.0212

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## JAMA Revisited

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## Seasonal Variability of Disease

[Abstract](#) | [Full Text](#)

**FREE** JAMA. 2023;329(7):598. doi:10.1001/jama.2022.15801

## JAMA Patient Page

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### What Is Guillain-Barré Syndrome?

Revital Marcus, MD

[Abstract](#) | [Full Text](#)

**FREE** JAMA. 2023;329(7):602. doi:10.1001/jama.2022.24232

This JAMA Patient Page describes the autoimmune disease Guillain-Barré syndrome and its risk factors, diagnosis, treatment, and prognosis.

## Comment & Response

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### Review of Pulmonary Embolism

Mateo Porres-Aguilar, MD; Javier E. Anaya-Ayala, MD, MS; Debabrata Mukherjee, MD, MS

[Abstract](#) | [Full Text](#)

JAMA. 2023;329(7):592. doi:10.1001/jama.2022.22235

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### Review of Pulmonary Embolism

Wei Xiong, MD, PhD

[Abstract](#) | [Full Text](#)

JAMA. 2023;329(7):592-593. doi:10.1001/jama.2022.22232

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### Review of Pulmonary Embolism

David R. Vinson, MD; Jeffrey D. Sperling, MD, MS; Nareg H. Roubinian, MD, MPH

[Abstract](#) | [Full Text](#)

JAMA. 2023;329(7):593. doi:10.1001/jama.2022.22238

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## Review of Pulmonary Embolism—Reply

Yonathan Freund, MD, PhD; Fleur Cohen-Aubart, MD, PhD; Ben Bloom, MD, PhD

[Abstract](#) | [Full Text](#)

*JAMA*. 2023;329(7):593-594. doi:10.1001/jama.2022.22241

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## Roflumilast Cream vs Vehicle Cream and Chronic Plaque Psoriasis

Brandon Smith, BA; Michael R. Collier, BS; Jashin J. Wu, MD

[Abstract](#) | [Full Text](#)

*JAMA*. 2023;329(7):594-595. doi:10.1001/jama.2022.22646

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## Roflumilast Cream vs Vehicle Cream and Chronic Plaque Psoriasis—Reply

Mark G. Lebwohl, MD; Adelaide A. Hebert, MD; Melinda J. Gooderham, MD

[Abstract](#) | [Full Text](#)

*JAMA*. 2023;329(7):595. doi:10.1001/jama.2022.22649

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## Notice of Retraction and Replacement. Ellison-Barnes et al. Trends in Obesity Prevalence Among Adults Aged 18 Through 25 Years, 1976-2018. *JAMA*. 2021;326(20):2073-2074

Alejandra Ellison-Barnes, MD, MPH; Sara Johnson, PhD, MPH; Kimberly Gudzone, MD, MPH

[Abstract](#) | [Full Text](#)

**FREE** *JAMA*. 2023;329(7):595-596. doi:10.1001/jama.2022.23438

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## JAMA Masthead

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[Abstract](#) | [Full Text](#)

**FREE** *JAMA*. 2023;329(7):525-526. doi:10.1001/jama.2022.15799

## Trending

### **Discussing Code Status—Balancing Obligations to Respect Patient Autonomy While Avoiding Harm**

JAMA Cardiology | *From the Heart* | March 8, 2023

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### **Effect of Sacubitril/Valsartan vs Valsartan on Left Atrial Volume in Patients With Pre-HFpEF**

JAMA Cardiology | *Original Investigation* | March 8, 2023

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### **Associations Between Kidney Histopathologic Lesions and Incident CVD in Adults With Chronic Kidney Disease**

JAMA Cardiology | *Original Investigation* | March 8, 2023

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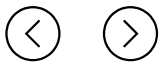
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February 28; 329 (8): 615-692



February 28, 2023, Vol 329, No. 8, Pages 615-692

## In This Issue of JAMA

### Audio Highlights

[Abstract](#) | [Full Text](#)

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JAMA. 2023;329(8):e2215809. doi:10.1001/jama.2022.15809



**Audio:** Ultrasound Renal Denervation to Treat Hypertension, Argatroban Plus Alteplase for Acute Ischemic Stroke, Review of Borderline Personality Disorder, and more

## Original Investigation

**Effect of Argatroban Plus Intravenous Alteplase vs Intravenous Alteplase Alone on Neurologic Function in Patients With Acute Ischemic Stroke: The ARAIS Randomized Clinical Trial**

Hui-Sheng Chen, MD; Yu Cui, PhD; Zhong-He Zhou, MD; et al.

[Abstract](#) | [Full Text](#)

JAMA. 2023;329(8):640-650. doi:10.1001/jama.2023.0550

This randomized clinical trial examines the efficacy of argatroban plus alteplase for acute ischemic stroke within 4.5 hours from onset.

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## Endovascular Ultrasound Renal Denervation to Treat Hypertension: The RADIANCE II Randomized Clinical Trial

Michel Azizi, MD, PhD; Manish Saxena, MBBS, MSc; Yale Wang, MD; et al.

[Abstract](#) | [Full Text](#)

JAMA. 2023;329(8):651-661. doi:10.1001/jama.2023.0713

This sham-controlled, randomized clinical trial compares the efficacy and safety of ultrasound renal denervation vs a sham procedure without the confounding influence of antihypertensive medications in adults with hypertension.

### Editor's Note

#### Is There a Role for Renal Denervation in the Treatment of Hypertension?

Clyde W. Yancy, MD, MSc; Gregg C. Fonarow, MD; Patrick T. O'Gara, MD

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## Association of Evaluation and Management Payment Policy Changes With Medicare Payment to Physicians by Specialty

Hannah T. Neprash, PhD; Ezra Golberstein, PhD; Ishani Ganguli, MD, MPH; et al.

[Abstract](#) | [Full Text](#)

JAMA. 2023;329(8):662-669. doi:10.1001/jama.2023.0879

This retrospective observational study compares simulated changes in Medicare evaluation and management (E/M) payment policy with observed changes in total Medicare payments to US office-based physicians and E/M coding intensity, before (July-December 2020) and after (July-December 2021) the payment policy change.

### Editorial

#### Payment, Priorities, and Primary Care: Can Cognitive Work Be Properly Valued?



## Research Letter

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### Measles Serostatus Among Parturient Patients at 2 Philadelphia Hospitals in 2021

Dustin D. Flannery, DO, MSCE; Alvaro Zevallos Barboza, MPH; Kelly C. Wade, MD, PhD, MSCE; et al.

[Abstract](#) | [Full Text](#)

JAMA. 2023;329(8):682-684. doi:10.1001/jama.2023.0166

This observational study explores whether rubella serostatus, which is routinely assessed during pregnancy, can serve as a proxy for measles serostatus in parturient persons.

## Viewpoint

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### *Salve Lucrum*: The Existential Threat of Greed in US Health Care

Donald M. Berwick, MD, MPP

[Abstract](#) | [Full Text](#)

JAMA. 2023;329(8):629-630. doi:10.1001/jama.2023.0846


In this Viewpoint, Donald Berwick explores the pursuit of profit in US health care across sectors—such as pharmaceutical companies, insurers, hospitals, and physician practices—and its harms to patients, and then offers potential solutions.

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### Misdiagnosis in the Emergency Department: Time for a System Solution

Jonathan A. Edlow, MD; Peter J. Pronovost, MD, PhD

[Abstract](#) | [Full Text](#)

 JAMA. 2023;329(8):631-632. doi:10.1001/jama.2023.0577

This Viewpoint offers 3 insights in response to the AHRQ report on diagnostic errors made in US emergency departments: focus on the delivery systems instead of individuals, establish ways to set definitions and assess error rates, and design safe delivery systems to prevent errors.



**Audio:** Diagnostic Errors in the Emergency Department: A System Solution Is Needed

## A Piece of My Mind

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### Staying Home

Golda Rose Grinberg, BS

[Abstract](#) | [Full Text](#)

*JAMA*. 2023;329(8):633-634. doi:10.1001/jama.2023.0040

In this narrative medicine essay, a third-year medical student who chose hospice for her infant with a life-limiting condition considers her uncertainty about whether the family may have extended their brief time together through medical intervention.

## Editorial

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### Payment, Priorities, and Primary Care: Can Cognitive Work Be Properly Valued?

Dhruv Khullar, MD, MPP

[Abstract](#) | [Full Text](#)

*JAMA*. 2023;329(8):635-636. doi:10.1001/jama.2023.0880

### Nonhuman “Authors” and Implications for the Integrity of Scientific Publication and Medical Knowledge

Annette Flanagan, RN, MA; Kirsten Bibbins-Domingo, PhD, MD, MAS; Michael Berkwits, MD, MSCE; et al.

[Abstract](#) | [Full Text](#)

**FREE** *JAMA*. 2023;329(8):637-639. doi:10.1001/jama.2023.1344

## Review


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## Borderline Personality Disorder: A Review

Falk Leichsenring, DSc; Nikolas Heim, MA, MSc; Frank Leweke, MD; et al.

[Abstract](#) | [Full Text](#)

 CME JAMA. 2023;329(8):670-679. doi:10.1001/jama.2023.0589

This review summarizes current evidence regarding the epidemiology, pathophysiology, diagnosis, and treatment of borderline personality disorder in adults.


## JAMA Clinical Challenge

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### A Man With Asymptomatic Ulcerated White Plaques on the Soft Palate

Shuni Ying, MD; Sheng Li, MD; Jianjun Qiao, MD, PhD

[Abstract](#) | [Full Text](#)

 CME JAMA. 2023;329(8):680-681. doi:10.1001/jama.2023.0150

A man in his 60s had irregular gray-white ulcers with a surrounding erythema on the soft palate, uvula, and tonsils that did not improve with oral cefuroxime. He reported sexual contact with 1 male partner over the prior 6 months; history and physical examination findings were otherwise unremarkable. What is the diagnosis and what would you do next?

## Editor's Note

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### Facts, Truths, and Poetry in Medical Education

Rafael Campo, MA, MD

[Abstract](#) | [Full Text](#)

 JAMA. 2023;329(8):688. doi:10.1001/jama.2023.0415

## Medical News & Perspectives

---

### New Federal Plan to Reduce Homelessness by 25% by 2025 Includes Health Care as Part of the Solution

Rita Rubin, MA

[Abstract](#) | [Full Text](#)

**FREE** JAMA. 2023;329(8):617-618. doi:10.1001/jama.2023.0643


This Medical News feature discusses a new federal strategic plan to reduce homelessness in the US.

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## Bird Flu Has Begun to Spread in Mammals—Here's What's Important to Know

Jennifer Abbasi

[Abstract](#) | [Full Text](#)

**FREE**  JAMA. 2023;329(8):619-621. doi:10.1001/jama.2023.1317

This Medical News article discusses recent reports of mammal-to-mammal transmission of highly pathogenic avian influenza H5N1.



**Audio:** February 2023 Medical News Summary

## Medical News in Brief

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### Healthful Lifestyle May Slow Memory Loss, Even for *APOE* Gene Carriers

Emily Harris

[Abstract](#) | [Full Text](#)

**FREE** JAMA. 2023;329(8):622. doi:10.1001/jama.2023.1171

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### Updated COVID-19 Guidance for People Who Are Immunocompromised

Emily Harris

[Abstract](#) | [Full Text](#)

**FREE** JAMA. 2023;329(8):622. doi:10.1001/jama.2023.1176

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## Trouble Paying Medical Bills Trends Down in US

Emily Harris

[Abstract](#) | [Full Text](#)

**FREE** JAMA. 2023;329(8):622. doi:10.1001/jama.2023.1177

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## Public Health Workers Report Threats, Harassment During Pandemic

Emily Harris

[Abstract](#) | [Full Text](#)

**FREE** JAMA. 2023;329(8):622. doi:10.1001/jama.2023.1178

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## Paxlovid Alternative Is Similarly Effective

Emily Harris

[Abstract](#) | [Full Text](#)

**FREE** JAMA. 2023;329(8):622-623. doi:10.1001/jama.2023.1180

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## FDA Proposes Individual Risk Assessment for Blood Donation

Emily Harris

[Abstract](#) | [Full Text](#)

**FREE** JAMA. 2023;329(8):623. doi:10.1001/jama.2023.1181

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## Even Mild Concussions Tied to Worse Cognition Later in Life

Emily Harris

[Abstract](#) | [Full Text](#)

**FREE** JAMA. 2023;329(8):623. doi:10.1001/jama.2023.1182

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## How Alcohol Flushing Gene Variant May Raise Heart Disease Risk

Emily Harris

[Abstract](#) | [Full Text](#)

**FREE** JAMA. 2023;329(8):623. doi:10.1001/jama.2023.1183

## Poetry and Medicine

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### An Education

Brian Yinge Zhao, BS

[Abstract](#) | [Full Text](#)

**FREE** JAMA. 2023;329(8):688. doi:10.1001/jama.2023.0235

### Editor's Note

#### Facts, Truths, and Poetry in Medical Education

Rafael Campo, MA, MD

## JAMA Revisited

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### The Resourceful General Practitioner of Modern Medicine

[Abstract](#) | [Full Text](#)

**FREE** JAMA. 2023;329(8):689. doi:10.1001/jama.2022.15810

## JAMA Patient Page

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### Borderline Personality Disorder

Jill Jin, MD, MPH

[Abstract](#) | [Full Text](#)

**FREE** JAMA. 2023;329(8):692. doi:10.1001/jama.2023.1012

This JAMA Patient Page describes borderline personality disorder, its signs and symptoms, possible causes, diagnosis, and treatment options.

## Comment & Response

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## Cefepime/Enmetazobactam vs Piperacillin/Tazobactam and Complicated Urinary Tract Infection or Acute Pyelonephritis

Chi-Kuei Hsu, MD; Wen-Wen Tsai, MD; Chih-Cheng Lai, MD

[Abstract](#) | [Full Text](#)

*JAMA*. 2023;329(8):684-685. doi:10.1001/jama.2022.22870

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## Cefepime/Enmetazobactam vs Piperacillin/Tazobactam and Complicated Urinary Tract Infection or Acute Pyelonephritis—Reply

Keith S. Kaye, MD; Adam Belley, PhD; Patrick Velicitat, MD

[Abstract](#) | [Full Text](#)

*JAMA*. 2023;329(8):685. doi:10.1001/jama.2022.22873

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## Hydroxychloroquine Dose and Risk of Systemic Lupus Erythematosus Flares

Fernando Caravaca-Fontán, MD, PhD; Federico Yandian, MD; Fernando C. Fervenza, MD, PhD

[Abstract](#) | [Full Text](#)

*JAMA*. 2023;329(8):685-686. doi:10.1001/jama.2022.23159

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## Hydroxychloroquine Dose and Risk of Systemic Lupus Erythematosus Flares—Reply

April M. Jorge, MD; Yuqing Zhang, ScD; Hyon K. Choi, MD

[Abstract](#) | [Full Text](#)

*JAMA*. 2023;329(8):686-687. doi:10.1001/jama.2022.23162

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## Updated Conflict of Interest Disclosures

Ralph Snyderman, MD

[Abstract](#) | [Full Text](#)

*JAMA*. 2023;329(8):687. doi:10.1001/jama.2023.0160

## Correction

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### Updated Disclosures

[Abstract](#) | [Full Text](#)

**FREE** JAMA. 2023;329(8):687. doi:10.1001/jama.2023.1481

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### Incorrect Data in Table

[Abstract](#) | [Full Text](#)

**FREE** JAMA. 2023;329(8):687. doi:10.1001/jama.2023.0262

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### Last Name Misspelled

[Abstract](#) | [Full Text](#)

**FREE** JAMA. 2023;329(8):687. doi:10.1001/jama.2023.0909

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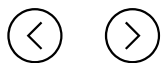
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[Abstract](#) | [Full Text](#)

**FREE** JAMA. 2023;329(8):615-616. doi:10.1001/jama.2022.15808



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## February 2023 - January 1908

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February; 183 (2): 92-171



February 2023, Vol 183, No. 2, Pages 92-171

## Original Investigation

### Association of Direct-Acting Antiviral Therapy With Liver and Nonliver Complications and Long-term Mortality in Patients With Chronic Hepatitis C

Eiichi Ogawa, MD, PhD; Nicholas Chien, MD; Leslie Kam, MD; et al.

[Abstract](#) | [Full Text](#)

*JAMA Intern Med.* 2023;183(2):97-105. doi:10.1001/jamainternmed.2022.5699

This retrospective cohort study of 245 596 adults with CHC examines the association of hepatitis C virus elimination with the risk of liver and nonliver morbidity and overall mortality from 2010 to 2021.

Physician Work Environment and Well-Being

# Changes in Physician Work Hours and Implications for Workforce Capacity and Work-Life Balance, 2001-2021

Anna L. Goldman, MD, MPA, MPH; Michael L. Barnett, MD, MS

[Abstract](#) | [Full Text](#)

*JAMA Intern Med.* 2023;183(2):106-114. doi:10.1001/jamainternmed.2022.5792


This cross-sectional study examines trends in individual physician work hours and their contribution to clinical workforce changes over a 20-year period.

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## Effect of COVID-19 Vaccine Messaging Platforms in Emergency Departments on Vaccine Acceptance and Uptake: A Cluster Randomized Clinical Trial

Robert M. Rodriguez, MD; Graham Nichol, MD, MPH; Stephanie A. Eucker, MD, PhD; et al.

[Abstract](#) | [Full Text](#)

 *JAMA Intern Med.* 2023;183(2):115-123. doi:10.1001/jamainternmed.2022.5909

This cluster randomized clinical trial aims to determine whether provision of COVID-19 vaccine messaging platforms in emergency departments increases COVID-19 vaccine acceptance and uptake in unvaccinated patients.


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### Health Care Reform

## Physician-Peer Relationships and Patient Experiences With Specialist Care

Maximilian J. Pany, BA; J. Michael McWilliams, MD, PhD

[Abstract](#) | [Full Text](#)

 *JAMA Intern Med.* 2023;183(2):124-132. doi:10.1001/jamainternmed.2022.6007

This quasi-experimental study determines whether peer relationships between primary care physicians and specialists formed during training motivate improved specialist care for patients.


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Less Is More

# Association of Pretransplant Coronary Heart Disease Testing With Early Kidney Transplant Outcomes

Xingxing S. Cheng, MD, MS; Sai Liu, MPH; Jialin Han, MS; et al.

[Abstract](#) | [Full Text](#)

 *JAMA Intern Med.* 2023;183(2):134-141. doi:10.1001/jamainternmed.2022.6069

This instrumental variable analysis examines the association of pretransplant coronary heart disease testing with rates of death and myocardial infarction.



**Audio Author Interview:** Association of Pretransplant Coronary Heart Disease Testing With Early Kidney Transplant Outcomes

## Editorial

### Coronary Heart Disease Testing Before Kidney Transplant—A Call for Revised Guidance

Rohini V. Kopparam, MD; Deborah Grady, MD, MPH; Rita F. Redberg, MD, MSc

---

# Healthy Eating Patterns and Risk of Total and Cause-Specific Mortality

Zhilei Shan, MD, PhD; Fenglei Wang, PhD; Yanping Li, MD, PhD; et al.

[Abstract](#) | [Full Text](#)

*JAMA Intern Med.* 2023;183(2):142-153. doi:10.1001/jamainternmed.2022.6117

This cohort study assesses the association of adherence to 4 healthy eating scores with total and cause-specific mortality among women from the Nurses' Health Study and men from the Health Professionals Follow-Up Study.

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## Editorial

### Health Care Reform

# Stemming Medicare Spending on Discarded Drugs—Waste Not, Want Not?

Cary P. Gross, MD; Stacie B. Dusetzina, PhD

[Abstract](#) | [Full Text](#)

*JAMA Intern Med.* 2023;183(2):93. doi:10.1001/jamainternmed.2022.5895

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## Gabapentin Will Not Cure the Opioid Crisis

Audrey Han, MD, MEd; Raegan W. Durant, MD, MPH

[Abstract](#) | [Full Text](#)

*JAMA Intern Med.* 2023;183(2):94. doi:10.1001/jamainternmed.2022.5898

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## Public Access to Scientific Research Findings and Principles of Biomedical Research—A New Policy for the JAMA Network

Kirsten Bibbins-Domingo, PhD, MD, MAS; Brian Shields, MBA; John Z. Ayanian, MD, MPP; et al.

[Abstract](#) | [Full Text](#)

**FREE** *JAMA Intern Med.* 2023;183(2):95-96. doi:10.1001/jamainternmed.2022.6493

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## Invited Commentary

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### Primary Care–Specialist Relationships, Intrinsic Motivation, and Patient Experience of Care

Lawrence P. Casalino, MD, PhD

[Abstract](#) | [Full Text](#)

*JAMA Intern Med.* 2023;183(2):132-133. doi:10.1001/jamainternmed.2022.6000

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## Research Letter

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### Trends in the Concurrent Prescription of Opioids and Gabapentin in the US, 2006 to 2018

Evan D. Peet, PhD; Beth Dana, MS; Flora Yaou Sheng, MBBS, MPH; et al.

[Abstract](#) | [Full Text](#)

*JAMA Intern Med.* 2023;183(2):162-164. doi:10.1001/jamainternmed.2022.5268

This cohort study examines trends in concurrent gabapentin and opioid prescribing in the US, overall and by prescriber, patient, and county characteristics, between 2006 and 2018.

## Editorial

### Gabapentin Will Not Cure the Opioid Crisis

Audrey Han, MD, MEd; Raegan W. Durant, MD, MPH

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## Trends in Medicare Part B Spending on Discarded Drugs, 2017-2020

Ashley L. O'Donoghue, PhD; Molly H. White; Anthony P. Weiss, MD, MBA, MSc; et al.

[Abstract](#) | [Full Text](#)

*JAMA Intern Med.* 2023;183(2):164-167. doi:10.1001/jamainternmed.2022.5890

This cross-sectional study quantifies trends in discarded drug spending since the onset of mandated reporting.

## Editorial

### Stemming Medicare Spending on Discarded Drugs—Waste Not, Want Not?

Cary P. Gross, MD; Stacie B. Dusetzina, PhD


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## Challenges in Clinical Electrocardiography

### Shark Sighting in an Electrocardiogram

Katherine A. A. Clark, MD, MBA; Lynda E. Rosenfeld, MD

[Abstract](#) | [Full Text](#)

 CME *JAMA Intern Med.* 2023;183(2):154-155. doi:10.1001/jamainternmed.2022.5061

This case report describes a patient in their late 50s with elevated high-sensitivity cardiac troponin and a medical history of poorly controlled diabetes and cocaine, cannabis, and tobacco use.

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## Acute, Prolonged, and Extensive Myocardial Ischemia in a Patient With Colorectal Cancer

Stefano Savonitto, MD; Gianmarco Angelini, MD; Andrea Farina, MD

[Abstract](#) | [Full Text](#)

 CME *JAMA Intern Med.* 2023;183(2):156-157. doi:10.1001/jamainternmed.2022.5065

This case report describes a patient in their 60s with spontaneously subsiding and reoccurring severe acute chest pain that lasted for about 30 minutes as well as a recent diagnosis of colorectal cancer.

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## A Peculiar ST Elevation Mimicking STEMI

Jose Victor Jimenez, MD; Soumya Banna, MD; Nihar Desai, MD, MPH

[Abstract](#) | [Full Text](#)



CME

*JAMA Intern Med.* 2023;183(2):158-159. doi:10.1001/jamainternmed.2022.5070

This case report describes a patient in their 60s who presented to the emergency department with a 2-week history of shortness of breath and back pain exacerbated that morning.

---

## Recurrent Angina After Alcohol Consumption

Caifeng Fan, MD; Hao Wang, MD; Yunfei Gu, MD

[Abstract](#) | [Full Text](#)



CME

*JAMA Intern Med.* 2023;183(2):160-161. doi:10.1001/jamainternmed.2022.5411

This case report describes a patient in their 50s with recurrent abdominal pain and syncope after drinking alcohol.

## Comment & Response

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## Prenatal Antipsychotic Exposure and Performance in Neurodevelopmental Outcomes Among Schoolchildren

Zhang Jingjing, MD; Wang Li, MD; Yuan Yuan, MD

[Abstract](#) | [Full Text](#)

*JAMA Intern Med.* 2023;183(2):167-168. doi:10.1001/jamainternmed.2022.5887

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## Prenatal Antipsychotic Exposure and Performance in Neurodevelopmental Outcomes Among Schoolchildren—Reply

Xiaoqin Liu, PhD; Betina Bitsch Trabjerg, MSc; Julie Werenberg Dreier, PhD

[Abstract](#) | [Full Text](#)

*JAMA Intern Med.* 2023;183(2):168. doi:10.1001/jamainternmed.2022.5884

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## Is There a Role for Thromboprophylaxis in Selected Outpatients With COVID-19?

Anastasios Kollias, MD, PhD; Konstantinos G. Kyriakoulis, MD; Evangelos Dimakakos, MD

[Abstract](#) | [Full Text](#)

**FREE** *JAMA Intern Med.* 2023;183(2):168-169. doi:10.1001/jamainternmed.2022.5878

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## Is There a Role for Thromboprophylaxis in Selected Outpatients With COVID-19?—Reply

Junqing Xie, BSMed, MSc; Daniel Prieto-Alhambra, MD, PhD

[Abstract](#) | [Full Text](#)

**FREE** *JAMA Intern Med.* 2023;183(2):169-170. doi:10.1001/jamainternmed.2022.5881

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## Converting Steps Into Physical Activity Time

Johannes Burtscher, PhD; Grégoire P. Millet, PhD; Martin Burtscher, MD, PhD

[Abstract](#) | [Full Text](#)

*JAMA Intern Med.* 2023;183(2):170. doi:10.1001/jamainternmed.2022.6001

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## Converting Steps Into Physical Activity Time—Reply

Borja del Pozo Cruz, PhD; Matthew Ahmadi, PhD; Emmanuel Stamatakis, PhD

[Abstract](#) | [Full Text](#)

*JAMA Intern Med.* 2023;183(2):170-171. doi:10.1001/jamainternmed.2022.6004

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## Correction

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## Errors in Table 1

[Abstract](#) | [Full Text](#)

**FREE** *JAMA Intern Med.* 2023;183(2):171. doi:10.1001/jamainternmed.2022.5820



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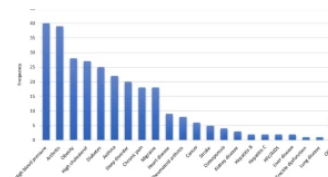
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20 articles in this issue

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Jack Tsai, Victoria Solis & Vanessa Schick

Original Paper | Published: 25 August 2022 | Pages: 1 - 9



### [Strategies Used by Local Law Enforcement Agencies to Prevent Overservice of Alcohol in the United States](#)

Daniel C. Schriemer, Kathleen M. Lenk ... Toben F. Nelson

Original Paper | Published: 25 August 2022 | Pages: 10 - 17

### [Student Faculty Collaborative Clinics Influence on Emergency Department Use](#)





## [Rural-Urban Disparities in HPV Vaccination Coverage Among Adolescents in the Central Part of the State of Illinois, USA](#)

Eric Adjei Boakye, Yuri Fedorovich ... Mary A Gerend

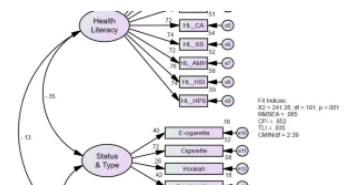
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Jehad A. Rababah & Mohammed M. Al-Hammouri

Original Paper | Published: 15 September 2022 |

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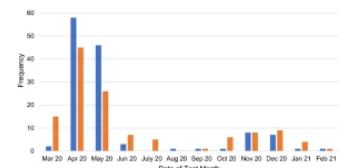
Patricia N. E. Roberson, Jordan Tasman ... Gina Cortez

Original Paper | Published: 01 October 2022 | Pages: 38 - 49

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Stephen M. Friedman, Jieliang Li ... Edward Lifshitz

Original Paper | Published: 05 October 2022 | Pages: 50 - 58



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Ioannis Moisoglou, Christina Passali ... Petros Galanis

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Duckhee Chae, Hyunju Yang ... Keiko Asami

Original Paper | Published: 20 October 2022 | Pages: 67 - 78

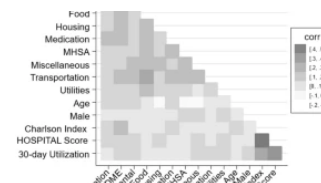
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## [Evaluating Social Determinants of Health in a Mobile Integrated Healthcare-Community Paramedicine Program](#)

Sean Naimi, Benoit Stryckman ... Daniel B. Gingold

Original Paper | Published: 21 October 2022 | Pages: 79 - 88

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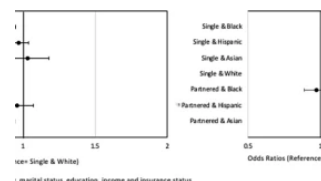


## [An Intersectional Approach to Understanding Barriers to Healthcare for Women](#)

Shetal Vohra-Gupta, Liana Petruzzi ... Catherine Cubbin

Original Paper | Published: 23 October 2022 | Pages: 89 - 98

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## [Knowledge and Attitudes of Physicians and Nurses in Turkey Regarding Human Papillomavirus Vaccination of Their Children](#)

Filiz Tubaş, Ramazan DULKADİR ... Erdal ÜNLÜ

Original Paper | Published: 28 October 2022 | Pages: 99 - 103

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## [Waco COVID Survey: A Community-Based SARS-CoV-2 Serological Surveillance Study in Central Texas](#)

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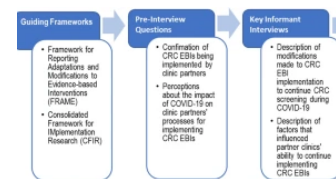


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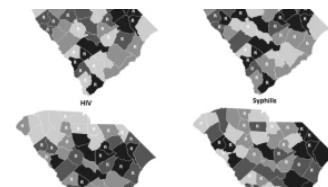
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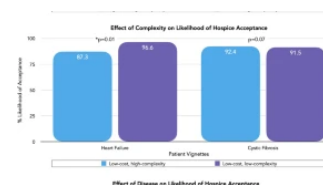
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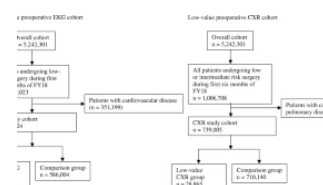
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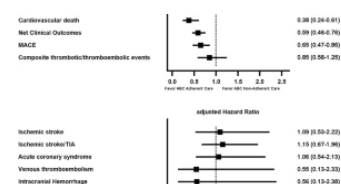
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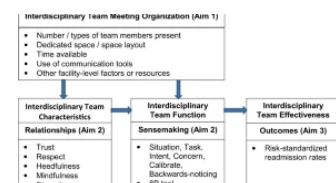
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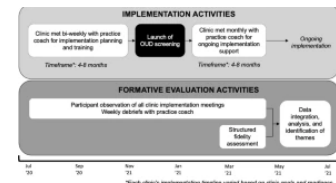
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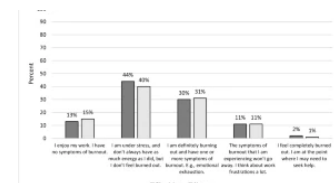
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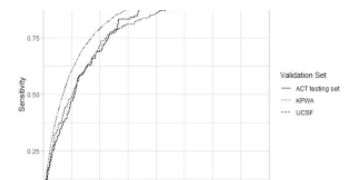
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Asif Surani, Muhammad Hammad ... Ankur Segon

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Following is our study on improving physician patient feedback. We interviewed patients of all hospitals in the study group and collected the following responses:

Question	Percentage of your patients who responded "never"	Percentage of patients of all study hospitals who responded "never"	Medicare beneficiaries, as most were susceptible to decline	Medicare beneficiaries, as most were susceptible to decline
Did you ever offer all services available to you most convenient?	88.87%	88.71%	75.88%	88.75%
Did you ever offer all services when unable to pay?	88.87%	88.71%	75.88%	88.75%
Did you ever offer all services that couldn't be accepted?	100.00%	100.00%	75.88%	88.75%

Get work and dedication in caring for your patients. Please contact the principal investigator Dr. Ankur Segon (ange@medrxiv.org) with any questions or concerns about the study.

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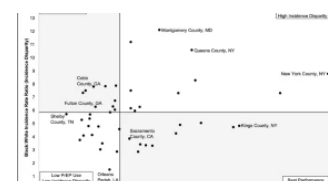
Step 0 (All Control) April 2018-January 2019									Step 1 (Treatment for Medical Centers 1-70 Only) February 2019-July 2019									St
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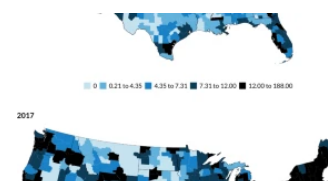
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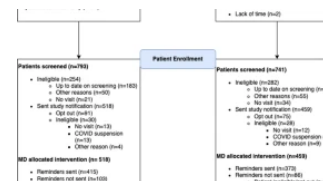


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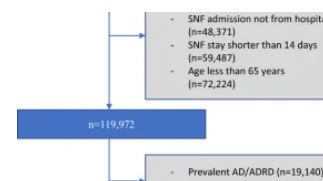


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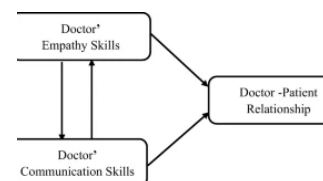
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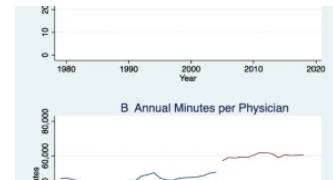


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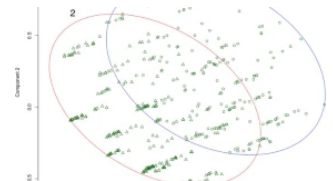


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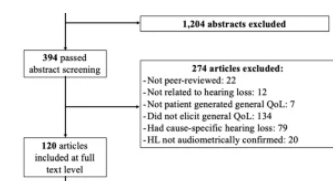
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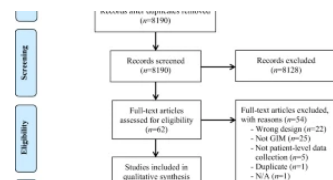
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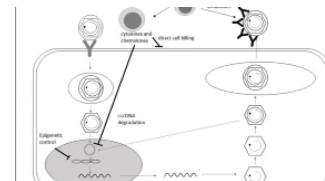


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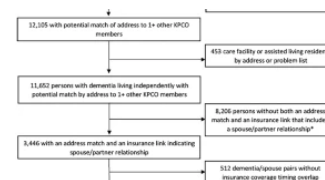


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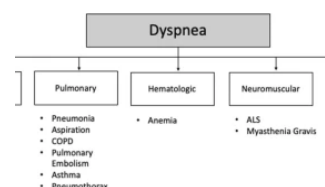


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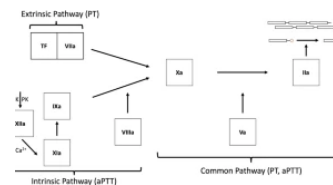


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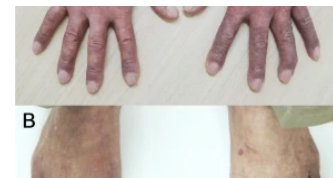


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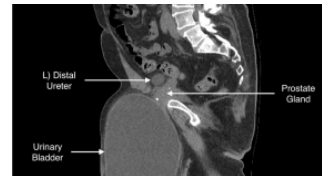
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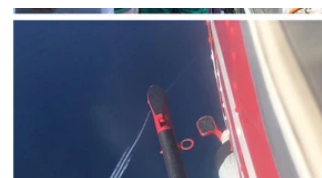
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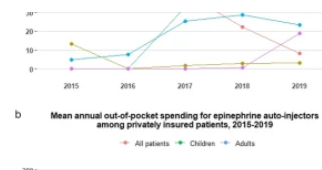
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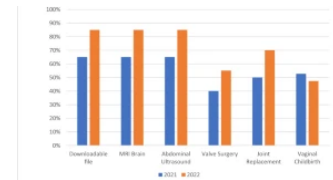


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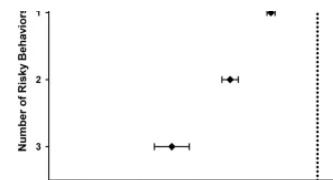


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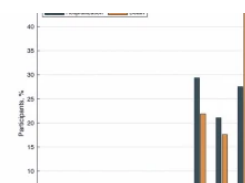
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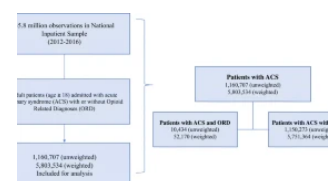
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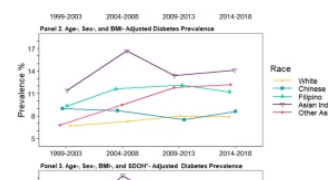
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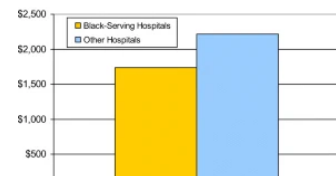
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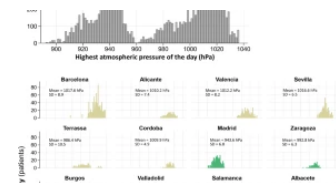
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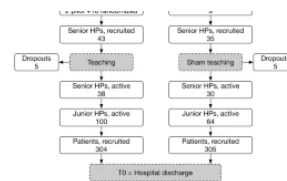


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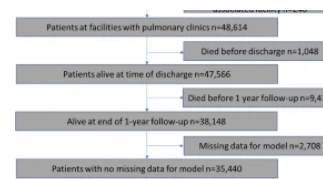


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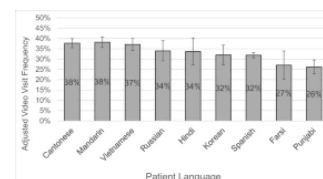
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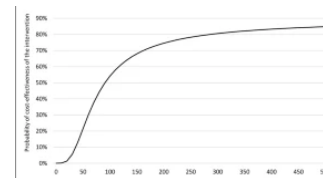


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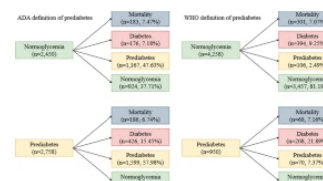
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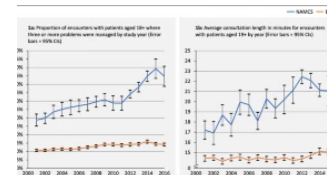


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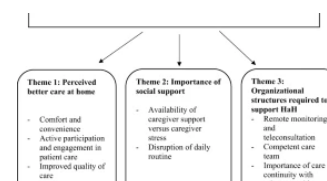
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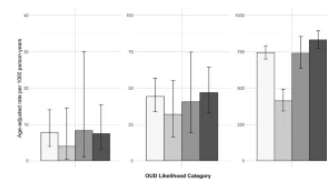


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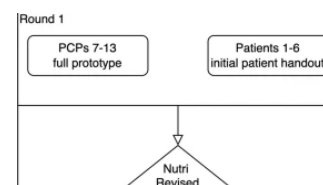
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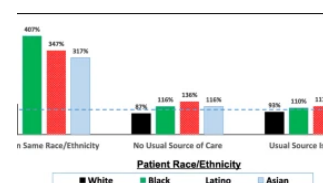


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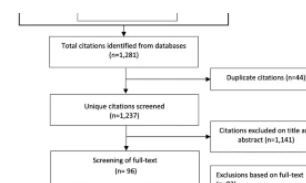
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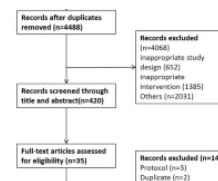


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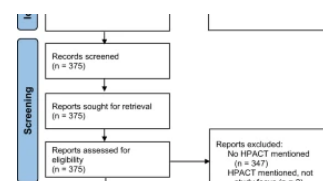


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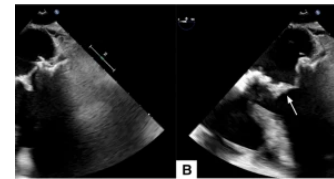
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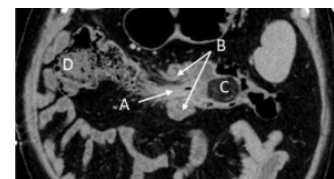


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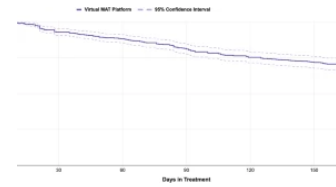
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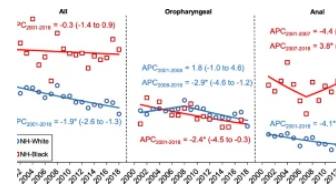


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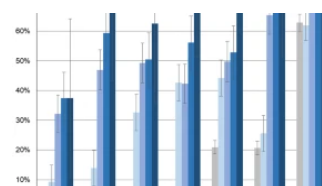
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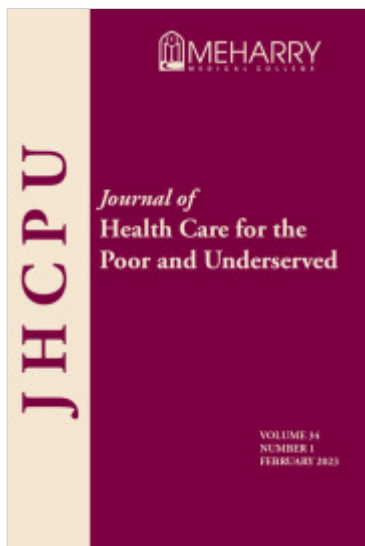
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*[Hee Yun Lee](/search?action=search&&query=author:%22Hee Yun Lee%22) (</search?action=search&&query=author:%22Hee Yun Lee%22>), [Lauren Kois](/search?action=search&&query=author:%22Lauren Kois%22) (</search?action=search&&query=author:%22Lauren Kois%22>), [Kun Wang](/search?action=search&&query=author:%22Kun Wang%22) (</search?action=search&&query=author:%22Kun Wang%22>), [Cho Rong Won](/search?action=search&&query=author:%22Cho Rong Won%22) (</search?action=search&&query=author:%22Cho Rong Won%22>), [Areum Han](/search?action=search&&query=author:%22Areum Han%22) (</search?action=search&&query=author:%22Areum Han%22>), [Rebecca S. Allen](/search?action=search&&query=author:%22Rebecca S. Allen%22) (</search?action=search&&query=author:%22Rebecca S. Allen%22>)*

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## **Recruitment and Feasibility of Hair Cortisol Collection in a Sample of Ethnically and Sexually Diverse, Low-Income Adults: A Qualitative Community-Partnered Participatory Research Study (/pub/1/article/882022)**

*Sylvanna M. Vargas* (</search?action=search&&query=author:%22Sylvanna M. Vargas%22>),  
*Luis A. Parra* (</search?action=search&&query=author:%22Luis A. Parra%22>), *Wilmer A. Rivas*  
(</search?action=search&&query=author:%22Wilmer A. Rivas%22>), *Sinan Payat* (</search?action=search&&query=author:%22Sinan Payat%22>), *Roxanne Mistry* (</search?action=search&&query=author:%22Roxanne Mistry%22>), *Clarence R. Williams* (</search?action=search&&query=author:%22Clarence R. Williams%22>), *Diana Gamez* (</search?action=search&&query=author:%22Diana Gamez%22>), *Bowen Chung* (</search?action=search&&query=author:%22Bowen Chung%22>), *Stanley J. Huey Jr.* (</search?action=search&&query=author:%22Stanley J. Huey Jr.%22>), *Jeanne Miranda* (</search?action=search&&query=author:%22Jeanne Miranda%22>)

pp. 74-101

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*[Linda Shipton \(/search?action=search&&query=author:%22Linda Shipton%22\)](/search?action=search&&query=author:%22Linda%20Shipton%22), [Frances Ue \(/search?action=search&&query=author:%22Frances Ue%22\)](/search?action=search&&query=author:%22Frances%20Ue%22), [Thomas Seufert \(/search?action=search&&query=author:%22Thomas Seufert%22\)](/search?action=search&&query=author:%22Thomas%20Seufert%22), [Corey Marvin \(/search?action=search&&query=author:%22Corey Marvin%22\)](/search?action=search&&query=author:%22Corey%20Marvin%22)*

pp. 102-111

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## **Differences in Health Care Access and Use by Gender, Race, Income, Age and Employment among Residents of the Rural South (/pub/1/article/882024)**

*[Michelle C. Kegler \(/search?action=search&&query=author:%22Michelle C. Kegler%22\)](/search?action=search&&query=author:%22Michelle%20C.%20Kegler%22), [Lauren Bigger \(/search?action=search&&query=author:%22Lauren Bigger%22\)](/search?action=search&&query=author:%22Lauren%20Bigger%22), [April Hermstad \(/search?action=search&&query=author:%22April Hermstad%22\)](/search?action=search&&query=author:%22April%20Hermstad%22), [Elizabeth Eidson \(/search?action=search&&query=author:%22Elizabeth Eidson%22\)](/search?action=search&&query=author:%22Elizabeth%20Eidson%22), [Joy Goens Thomas \(/search?action=search&&query=author:%22Joy Goens Thomas%22\)](/search?action=search&&query=author:%22Joy%20Goens%20Thomas%22), [Samantha Bourque Tucker \(/search?action=search&&query=author:%22Samantha Bourque Tucker%22\)](/search?action=search&&query=author:%22Samantha%20Bourque%20Tucker%22), [Regine Haardörfer \(/search?action=search&&query=author:%22Regine Haardörfer%22\)](/search?action=search&&query=author:%22Regine%20Haard%C3%B6rfer%22)*

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*Clese Erikson* (</search?action=search&&query=author:%22Clese Erikson%22>), *Yoon Hong Park* (</search?action=search&&query=author:%22Yoon Hong Park%22>), *Natalie Felida* (</search?action=search&&query=author:%22Natalie Felida%22>), *Michael Dill* (</search?action=search&&query=author:%22Michael Dill%22>)

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*Naomi Zewde* (</search?action=search&&query=author:%22Naomi Zewde%22>), *Sergio Rivera Rodriguez* (</search?action=search&&query=author:%22Sergio Rivera Rodriguez%22>)

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*Stephanie R. Beldick* (</search?action=search&&query=author:%22Stephanie R. Beldick%22>), *Jessica F. Rohde* (</search?action=search&&query=author:%22Jessica F. Rohde%22>), *Vanessa L. Short* (</search?action=search&&query=author:%22Vanessa L. Short%22>), *Diane J. Abatemarco* (</search?action=search&&query=author:%22Diane J. Abatemarco%22>), *Neera K. Goyal* (</search?action=search&&query=author:%22Neera K. Goyal%22>)

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## **Medication Dosing Schedules, Medication Knowledge, and Dosing Errors of Adults Taking Complex Drug Regimens (/pub/1/article/882029)**

*Andrea M. Russell (/search?action=search&&query=author:%22Andrea M. Russell%22), Lauren Opsasnick (/search?action=search&&query=author:%22Lauren Opsasnick%22), Sophia Weiner-Light (/search?action=search&&query=author:%22Sophia Weiner-Light%22), Stacy C. Bailey (/search?action=search&&query=author:%22Stacy C. Bailey%22), Matthew O'Brien (/search?action=search&&query=author:%22Matthew O'Brien%22), Michael S. Wolf (/search?action=search&&query=author:%22Michael S. Wolf%22)*

pp. 192-207

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## **Adults' Experiences with Type 2 Diabetes in Rural Guatemala: A Qualitative Study** (</pub/1/article/882030>).

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pp. 208-223

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*Marsha Regenstein* (</search?action=search&&query=author:%22Marsha Regenstein%22>), *Yoon Hong Park* (</search?action=search&&query=author:%22Yoon Hong Park%22>), *Maddie Krips* (</search?action=search&&query=author:%22Maddie Krips%22>).

pp. 224-245

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## **Immigration-related Legal Collaboration in Primary Care: Evaluating Impact on Knowledge and Well-being** (</pub/1/article/882032>).

*Sarah L Kimball* (</search?action=search&&query=author:%22Sarah L Kimball%22>), *Houda Chergui* (</search?action=search&&query=author:%22Houda Chergui%22>), *Haniya Saleem Syeda* (</search?action=search&&query=author:%22Haniya Saleem Syeda%22>), *Salma Amin*



[\(/search?action=search&&query=author:%22Salma Amin%22\)](/search?action=search&&query=author:%22Salma Amin%22), [Mara Eyllon \(/search?action=search&&query=author:%22Mara Eyllon%22\)](/search?action=search&&query=author:%22Mara Eyllon%22).

pp. 246-262

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## **COVID-19-Related Emergency Department Visits Among Undocumented Patients in Los Angeles County** **(/pub/1/article/882033)**

[Michael P. Huynh \(/search?action=search&&query=author:%22Michael P. Huynh%22\)](/search?action=search&&query=author:%22Michael P. Huynh%22), [Senxi Du \(/search?action=search&&query=author:%22Senxi Du%22\)](/search?action=search&&query=author:%22Senxi Du%22), [Courtney Hanlon \(/search?action=search&&query=author:%22Courtney Hanlon%22\)](/search?action=search&&query=author:%22Courtney Hanlon%22), [Helen Yang \(/search?action=search&&query=author:%22Helen Yang%22\)](/search?action=search&&query=author:%22Helen Yang%22), [Andrew Young \(/search?action=search&&query=author:%22Andrew Young%22\)](/search?action=search&&query=author:%22Andrew Young%22), [Annie Ro \(/search?action=search&&query=author:%22Annie Ro%22\)](/search?action=search&&query=author:%22Annie Ro%22).

pp. 263-274

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[Deborah Gurewich \(/search?action=search&&query=author:%22Deborah Gurewich%22\)](/search?action=search&&query=author:%22Deborah Gurewich%22), [Sara I Shoushtari \(/search?action=search&&query=author:%22Sara I Shoushtari%22\)](/search?action=search&&query=author:%22Sara I Shoushtari%22), [Rory Ostrow \(/search?action=search&&query=author:%22Rory Ostrow%22\)](/search?action=search&&query=author:%22Rory Ostrow%22), [Rissette Z MacLaren \(/search?action=search&&query=author:%22Rissette Z MacLaren%22\)](/search?action=search&&query=author:%22Rissette Z MacLaren%22), [Mingfei Li \(/search?action=search&&query=author:%22Mingfei Li%22\)](/search?action=search&&query=author:%22Mingfei Li%22), [Kimberly Harvey \(/search?action=search&&query=author:%22Kimberly Harvey%22\)](/search?action=search&&query=author:%22Kimberly Harvey%22), [Amy Linsky \(/search?action=search&&query=author:%22Amy Linsky%22\)](/search?action=search&&query=author:%22Amy Linsky%22), [David Mohr \(/search?action=search&&query=author:%22David Mohr%22\)](/search?action=search&&query=author:%22David Mohr%22).

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## **Engaging Stakeholders to Improve Care for Adults with Complex Health and Social Needs during a Public Health Emergency** **(/pub/1/article/882035)**

*[Peter F. Cronholm](/search?action=search&&query=author:%22Peter F. Cronholm%22)* (</search?action=search&&query=author:%22Peter F. Cronholm%22>), *[Wendell E. Kellum](/search?action=search&&query=author:%22Wendell E. Kellum%22)* (</search?action=search&&query=author:%22Wendell E. Kellum%22>), *[Alison MacCombie](/search?action=search&&query=author:%22Alison MacCombie%22)* (</search?action=search&&query=author:%22Alison MacCombie%22>), *[Maria Nelson](/search?action=search&&query=author:%22Maria Nelson%22)* (</search?action=search&&query=author:%22Maria Nelson%22>), *[Rebecca Neergaard](/search?action=search&&query=author:%22Rebecca Neergaard%22)* (</search?action=search&&query=author:%22Rebecca Neergaard%22>), *[Ondra Haywood](/search?action=search&&query=author:%22Ondra Haywood%22)* (</search?action=search&&query=author:%22Ondra Haywood%22>), *[Matthew E. Parido](/search?action=search&&query=author:%22Matthew E. Parido%22)* (</search?action=search&&query=author:%22Matthew E. Parido%22>), *[Jennifer Melochick](/search?action=search&&query=author:%22Jennifer Melochick%22)* (</search?action=search&&query=author:%22Jennifer Melochick%22>), *[Danielle Kraus Tarka](/search?action=search&&query=author:%22Danielle Kraus Tarka%22)* (</search?action=search&&query=author:%22Danielle Kraus Tarka%22>), *[Frances K. Barg](/search?action=search&&query=author:%22Frances K. Barg%22)* (</search?action=search&&query=author:%22Frances K. Barg%22>).

pp. 293-308

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*[Hannah M. Yaphe](/search?action=search&&query=author:%22Hannah M. Yaphe%22)* (</search?action=search&&query=author:%22Hannah M. Yaphe%22>), *[Rachel B. Campbell](/search?action=search&&query=author:%22Rachel B. Campbell%22)* (</search?action=search&&query=author:%22Rachel B. Campbell%22>), *[Nicole L. Mancini](/search?action=search&&query=author:%22Nicole L. Mancini%22)* (</search?action=search&&query=author:%22Nicole L. Mancini%22>), *[Eshleen K. Grewal](/search?action=search&&query=author:%22Eshleen K. Grewal%22)* (</search?action=search&&query=author:%22Eshleen K. Grewal%22>), *[Tadlos Tibebu](/search?action=search&&query=author:%22Tadlos Tibebu%22)* (</search?action=search&&query=author:%22Tadlos Tibebu%22>), *[Terry Saunders-Smith](/search?action=search&&query=author:%22Terry Saunders-Smith%22)* (</search?action=search&&query=author:%22Terry Saunders-Smith%22>), *[Stephen W. Hwang](/search?action=search&&query=author:%22Stephen W. Hwang%22)* (</search?action=search&&query=author:%22Stephen W. Hwang%22>).

(</search?action=search&&query=author:%22Stephen W. Hwang%22>), [David J.T. Campbell](/search?action=search&&query=author:%22David J.T. Campbell%22)  
(</search?action=search&&query=author:%22David J.T. Campbell%22>).

pp. 309-325

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[John Njuguna](/search?action=search&&query=author:%22John Njuguna%22) (</search?action=search&&query=author:%22John Njuguna%22>).

pp. 326-334

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### **Rural-Urban Differences in Workers' Access to Paid Sick Leave** (</pub/1/article/882038>).

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## **State-Specific Medicaid/CHIP Eligibility Criteria and Their Impact on Health Care Access for Foreign-born Children Living in the United States (/pub/1/article/882039).**

*Brian Lonquich (/search?action=search&&query=author:%22Brian Lonquich%22), Elizabeth A. Camp (/search?action=search&&query=author:%22Elizabeth A. Camp%22), Karla Fredricks (/search?action=search&&query=author:%22Karla Fredricks%22), Eric A. Russell (/search?action=search&&query=author:%22Eric A. Russell%22).*

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### **Trials Informing Back Pain Guidelines Underreport Key Sociodemographic Data (/pub/1/article/882040).**

*Timothy J. Williamson (/search?action=search&&query=author:%22Timothy J. Williamson%22), Patrick J. Battaglia (/search?action=search&&query=author:%22Patrick J. Battaglia%22), Jordan A. Gliedt (/search?action=search&&query=author:%22Jordan A. Gliedt%22), Antoinette L. Spector (/search?action=search&&query=author:%22Antoinette L. Spector%22), Joni S. Williams (/search?action=search&&query=author:%22Joni S. Williams%22).*

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*Brianna Poirier* (</search?action=search&&query=author:%22Brianna Poirier%22>), *Gustavo Soares* (</search?action=search&&query=author:%22Gustavo Soares%22>), *Sneha Sethi* (</search?action=search&&query=author:%22Sneha Sethi%22>), *Joanne Hedges* (</search?action=search&&query=author:%22Joanne Hedges%22>), *Lisa Jamieson* (</search?action=search&&query=author:%22Lisa Jamieson%22>)

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*Brian Dreyfus* (</search?action=search&&query=author:%22Brian Dreyfus%22>), *Lorena Kuri* (</search?action=search&&query=author:%22Lorena Kuri%22>), *Mauricio Ferri* (</search?action=search&&query=author:%22Mauricio Ferri%22>), *Patricia Doykos* (</search?action=search&&query=author:%22Patricia Doykos%22>), *Mir Sohail Fazeli* (</search?action=search&&query=author:%22Mir Sohail Fazeli%22>), *Kimberly Hofer* (</search?action=search&&query=author:%22Kimberly Hofer%22>), *Antonia Andonova* (</search?action=search&&query=author:%22Antonia Andonova%22>), *Leticia Ferri* (</search?action=search&&query=author:%22Leticia Ferri%22>)

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## **Digital Technology in Community Engagement: Impacts and Implications** **(/pub/1/article/882043)**

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Désilets, Jade; Zakhari, Andrew; Chagnon, Miguel; More


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### [Anti-Müllerian Hormone Level Decline in Patients Undergoing Hysterectomy With and Without Oophorectomy Compared With Natural Menopause](#)

Santoro, Nanette; Flyckt, Rebecca; Davis, Anne; More

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Jorgensen, Kirsten; Meernik, Clare; Wu, Chi-Fang; More

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Madison, Anita M.; Powers, Daniel; Maslowsky, Julie; More

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## **Research Letter**

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### [Use of Conservative Therapies Before Hysterectomy for Uterine Leiomyomas](#)

Liao, Lillian; Chen, Ling; Melamed, Alexander; More

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## [State Perinatal Quality Collaborative for Reducing Severe Maternal Morbidity From Hemorrhage: A Cost-Effectiveness Analysis](#)

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#### **[Undetected Fetal Growth Restriction During the Coronavirus Disease 2019 \(COVID-19\) Pandemic](#)**

Zafman, Kelly B.; Cudjoe, Efe; Levine, Lisa D.; More

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### **Letters to the Editor**

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Shanahan, Moira A.

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Curlin, Farr

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## Podcasts

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### [Editors' Picks for February 2023](#)

Creator: John R. Fischer, MD

Duration: 41:09

Obstetrics & Gynecology [February 2023, Volume 141, Issue 2; Obstetrics & Gynecology. 141\(2\):236-242, February 2023](#) [Obstetrics & Gynecology. 141\(2\):245-252, February 2023](#) [Obstetrics & Gynecology. 141\(2\):387-394, February 2023](#)


Dr. Jason Wright, Editor-in-Chief, Dr. John Fischer, Podcast Editor, and Dr. Ahizechukwu Eke, Editorial Board Member, review the articles that have been designated as Editors' Picks for the February 2023 issue (effects of abortion legislation; pushing timing and postpartum pelvic floor morbidity; cost effectiveness of a postpartum hemorrhage collaborative). This podcast features an interview with Methodius G. Tuuli, MD, author of the article on pushing timing and postpartum pelvic floor morbidity.

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Ashley A. Foster, MD; John J. Porter, MBA; Michael C. Monuteaux, ScD; Jennifer A. Hoffmann, MD, MS; Joyce Li, MD, MPH ...

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### Risk Factors for Suffocation and Unexplained Causes of Infant Deaths **FREE**

Sharyn E. Parks, PhD, MPH; Carla L. DeSisto, PhD, MPH; Katherine Kortsmitt, PhD; Jennifer M. Bombard, MSPH; Carrie K. Shapiro-Mendoza, PhD, MPH

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Topics: asphyxia, infant death, sleep, sudden infant death, pregnancy risk assessment monitoring system

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## Using AAP Guidelines for Managing Febrile Infants Without C-Reactive Protein and Procalcitonin

Tran H.P. Nguyen, MD; Beverly R. Young, MD; Amy Alabaster, MS, MPH; David R. Vinson, MD; Dustin G. Mark, MD ...

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Topics: c-reactive protein, fever, procalcitonin, temperature

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## Sports Team Participation and Vaping Among High School Students: 2015–2019

Eli Rapoport, BS; Meng'ou Zhu, AB; Duy Pham, BA; Sarah A. Keim, PhD, MA, MS; Andrew Adesman, MD

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Topics: cigarette smoking, high schools, team sports, cigarettes, vapor

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## Preparticipation State Cardiac Screening Forms for Athletes

Zane J. Blank, MD; Robert L. Spicer, MD; Jeffrey A. Robinson, MD

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Topics: american heart association, athlete, heart, sudden cardiac death, heart diseases

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## Health Care Use and System Costs Among Pediatric Refugees in Canada

Natasha Ruth Saunders, MD, MSc; Sima Gandhi, MSc; Susitha Wanigaratne, PhD; Hong Lu, PhD; Therese A. Stukel, PhD ...

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Topics: obesity, overweight

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## Primary Care Pediatricians' Perspectives on Autism Care 🛒

Nicole Hamp, MD; Sarah L. DeHaan, MD; Celina M. Cerf, CCC-SLP; Jenny S. Radesky, MD

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Topics: autistic disorder, emotions, primary care physicians, lens (device)

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## Parent Perspectives on Sharing Pediatric Hospitalization Clinical Notes 🛒

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### Caring for Our Children While Training to Care for All Children

Judy Schaechter, MD, MBA; Suzanne K. Woods, MD; Laurel K. Leslie, MD, MPH

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Topics: acgme, american board of medical specialties, emotions, internship and residency, medical residencies

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### Resettlement: Creating Capacity for Pediatric Refugees

Andrea E. Green, MDCM; Tobey A. Audcent, MD, DTMH

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### Further Evidence of How Peers and Tracking Affect Educational Opportunities

Jason Giersch, PhD

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### Inaccuracies in Infant Race and Ethnicity Classifications: Implications for Vital Statistics Data

Georgia Sasser, BS; Olubukola O. Nafiu, MD, FRCA, MS

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Rachel Gilgoff, MD, FAAP; Tanya Schwartz, MPP, MSW; Mikah Owen, MD, MPH, FAAP;  
Devika Bhushan, MD, FAAP; Nadine Burke Harris, MD, MPH, FAAP

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Topics: asthma, mindfulness relaxation, physiology, stress response, wounds and injuries

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### **Ethically Managing Social Needs Data in an Era of Enhanced Electronic Health Information Sharing**

Zoe Bouchelle, MD; Megan Bowers, MSS, LCSW; Aditi Vasan, MD, MSHP

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Topics: data sharing, electronic medical records, information sharing, privacy, healthcare payer

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Erin Bruney, MD; Sakina Sojar, MD

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### Adolescent and Young Adult Menstrual Poverty: a Barrier to Contraceptive Choice 🛒

Bronwyn S. Bedrick, MD, MSCI; Carolyn Sufrin, MD, PhD; Sarah Polk, MD, ScM, MHS

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Topics: contraceptive agents, menstruation, poverty, young adult

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### Learning to Swim and Swimming Skills Among Parents and Their Children in Chicago 🛒

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Topics: care of intensive care unit patient, communicable diseases, emergency medicine, gastroenterology, hematology

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### Defining an Infant's Race and Ethnicity: A Systematic Review

Blair W. Weikel, MPH; Susanne Klawetter, PhD, LCSW; Stephanie L. Bourque, MD, MSCS; Kathleen E. Hannan, MD, MSCS; Kristi Roybal, PhD, MSW, MA ...

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Topics: birth certificates, ethnic group, misclassification, hispanics or latin@s, perinatal period

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### Chronic Exercise for Core Symptoms and Executive Functions in ADHD: A Meta-analysis

Huan Huang, BD; Zhijuan Jin, PhD; Changshuang He, BD; Shaoyu Guo, BD; Yiwen Zhang, MD ...

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Topics: adult attention deficit hyperactivity disorder, attention-deficit/hyperactivity disorder, exercise, executive functioning, inattention

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### Parental Views of Facilitators and Barriers to Research Participation: Systematic Review

Julia M. Nathe, MD; Tira T. Oskoui; Elliott Mark Weiss, MD, MSME

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Topics: altruism, medical research, parental perception, vaccines, genetic screening

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## Pediatric Inflammatory Bowel Disease

Marleen Bouhuys, MD; Willem S. Lexmond, MD, PhD; Patrick F. van Rheenen, MD, PhD

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Topics: inflammatory bowel disease, irritable bowel syndrome, juvenile inflammatory bowel disease

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## Quality Reports

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### Preventing Teen Pregnancies on Teratogenic Drugs by Quality Improvement and Behavioral Economics

Veronica M. Mruk, MD; Kelly A. Wise, PharmD, BCACP; Kyla Driest, MD, MEd; Edward J. Oberle, MD, RhMSUS; Stacy P. Ardoin, MD, MS ...

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Topics: history of sexual behavior, teratogens, quality improvement, counseling, rheumatology

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### Quality Improvement Initiative to Improve Timing of Enteral Feeds in Pediatric Acute Pancreatitis

Kate Templeton, MD; Jenny Chan Yuen, MSPH; Caitlin Lenz, CPHQ; Alison R. Mann, BA; Haley S. Friedler, MPH ...

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Topics: clinical pathways, enteral nutrition, order set, pancreatitis, acute, patient readmission

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## Diagnostic Dilemmas

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## Pericardial Effusion Causing Cardiac Tamponade in a 10-Year-Old Male 🛒

Jordan Hall, MD; Melanie Rosado, MD; Julie D. Wohrley, MD; Sindhura Bandi, MD; Paul M. Kent, MD ...

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Topics: cardiac tamponade, pericardial effusion, systemic lupus erythematosus, pericardial fluid, fever

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Stephanie Anne Deutsch, MD, MS, FAAP; Allan R. De Jong, MD, FAAP

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Topics: opioids, xylazine, opioid analgesics, naloxone, opioid, synthetic

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